

# TH DH Series

## Desktop Barcode Printer

### The Handy Way to Conquer Label Printing Challenges

The 2-inch and 4-inch TH DH Series Desktop Barcode Printers are versatile and flexible for diverse printing requirements. This series' versatility enables printing a wide range of difficult labels, including thick, tiny, and long labels and certain types of vertical market labels.

Our printer language emulation makes the TH DH Series plug-and-play. Its firmware automatically identifies major printer languages and begins printing immediately without changing label templates. The TH DH Series minimizes downtime during daily operations through comprehensive printer management tools (Internal Embedded Webpage, virtual control panel, TSC Console, and SOTI Connect), printer shutdown prevention, and supports network security configurations to manage printers efficiently.

The TH DH Series scales up applications with a wide media width, high-precision printing, and several addable future-proof options. This empowers businesses to adapt to changing requirements for present and future operations. The eco-friendly printer features 100% recyclable packaging and plastic printer casing. Over 90% of printer components are recyclable at the printer's end-of-life, reducing environmental impact.

## Key Features

### Seamless Integration, Effortless Deployment

- Out-of-the-box auto-switch print language emulation
- User-friendly and convenient label printing with TSC Standalone Creator and TSCPRTGo

### Minimizing Downtime, Maximizing Uptime

- Real-time remote printer monitoring and management with the Internal Embedded Webpage, virtual control panel, TSC Console, and SOTI Connect
- Downtime prevention with self-diagnostic TPH Care, TPH (thermal printhead) maintenance, and ribbon low warning
- User-friendly design: self-diagnostics, toolless TPH and platen roller replacement for easy maintenance, and shortcut buttons for enhanced efficiency
- Supports network security configurations: HTTPS, SNMPv3, 802.1X, and TCP/IP Port 9100 filter

### Versatile, Future-Proof Print Quality

- 15mm to 120mm wide media width for diverse media types, optional narrow media adaptors support the narrow label width to 10mm
- High-precision print quality with innovative label stabilizing media damper and adjustments in vertical dpi, heater line, and TPH pressure
- Supports UTF-8 TTF (TrueType Font) for different language label content printing
- Addable future-proof upgrades: Wi-Fi, Bluetooth, cutter module, peeler module, care label cutter kit, linerless tear-off kit, and linerless cutter kit

### Environmentally Sustainable Printer

- 100% recyclable packaging with FSC-compliant cartons
- 100% recyclable plastic printer casing made with 30% recycled plastic
- 90%+ of printer components are recyclable

### Healthcare Tailored Design

- Crisp white and bright full-color scheme, perfectly suited for healthcare environments
- Antimicrobial, easy-to-disinfect casing for effortless cleaning, vastly reducing the risk of contamination
- IEC 60601-1 Medical-Grade Compliant Power Supply, ensuring safe and reliable use in healthcare facilities

## Applications

### Retail

- Shelf Labeling
- Inventory Management
- Weight Scale

### Transportation and Logistics

- Shipping Label
- Receiving Label

### Healthcare

- Specimen Labeling
- Pharmacy Labeling
- Patient Tracking

### Apparel

- Clothing Hang Tag
- Care Labeling

### Food & Beverage

- Product Labeling
- Track and Trace



## TH Series 2-Inch Specifications

| Model                             | TH220T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TH320T                                                                                                                      |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12 dots / mm (300 dpi)                                                                                                      |
| Printing Method                   | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                             |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 152mm(6") / second                                                                                                          |
| Max. Print Width                  | 54mm(2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 56.9mm(2.24")                                                                                                               |
| Max. Print Length                 | 25,400mm(1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11,430mm(450")                                                                                                              |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                             |
| Physical Dimension                | 146mm(W) x 179mm(H) x 231mm(D)<br>5.75"(W) x 7.05"(H) x 9.09"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |
| Weight                            | 1.8kg(3.97lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |
| Label Roll Capacity               | 127mm(5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                             |
| Ribbon                            | 90m long, max. OD 37mm, 0.5" core (ink coated outside)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| Ribbon Width                      | 56mm - 58mm (2.20" - 2.28")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                             |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                 |                                                                                                                             |
| Power                             | <ul style="list-style-type: none"> <li>External universal switching power supply</li> <li>Input: AC 100-240V, 1.5A, 50-60Hz</li> <li>Output: DC 24V, 2.5A, 60W</li> </ul>                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>       |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                         |                                                                                                                             |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPEN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                                                                                                                             |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |
| Media Width                       | 15mm - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                             |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                             |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5mm - 11,430mm (0.20" - 450")                                                                                               |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                           |                                                                                                                             |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, NOM, CE Class B, UKCA, EAC, CCC, RCM, BSMI, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>External universal switching power supply</li> <li>0.5" ribbon paper core</li> </ul> |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                   |                                                                                                                             |
| Factory Option                    | <ul style="list-style-type: none"> <li>MFi Bluetooth 5.0</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>Care label cutter (full cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> </ul>                                                                                                                                                                                                                                                            |                                                                                                                             |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |



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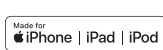
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## TH Series 2-Inch for Healthcare Specifications

| Model                             | TH220THC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TH320THC                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 dots / mm (300 dpi)        |
| Printing Method                   | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 152mm(6") / second            |
| Max. Print Width                  | 54mm(2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.9mm(2.24")                 |
| Max. Print Length                 | 25,400mm(1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11,430mm(450")                |
| Enclosure                         | <ul style="list-style-type: none"> <li>Clamshell with double-walled plastic</li> <li>Disinfectant-ready plastic, designed with an easy-to-clean surface and a sealed button interface</li> <li>Antibacterial enclosure</li> </ul>                                                                                                                                                                                                                                                                                        |                               |
| Physical Dimension                | 146mm(W) x 179mm(H) x 231mm(D)<br>5.75"(W) x 7.05"(H) x 9.09"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
| Weight                            | 1.8kg (3.97lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Label Roll Capacity               | 127mm(5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Ribbon                            | 90m long, max. OD 37mm, 0.5" core (ink coated outside)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Ribbon Width                      | 56mm - 58mm (2.20" - 2.28")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                               |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                  |                               |
| Power                             | External universal switching power supply<br><ul style="list-style-type: none"> <li>IEC 60601-1 certified power supply</li> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 2.5A, 60W</li> </ul>                                                                                                                                                                                                                                                                                                          |                               |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                                                                                                                                                                                             |                               |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                               |                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                          |                               |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                               |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
| Media Width                       | 15mm - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5mm - 11,430mm (0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                            |                               |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, CE Class B, UKCA, EAC, CCC, BIS, RCM, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> <li>0.5" ribbon paper core</li> </ul>                                                                                                                                                                                                                                                                                                                            |                               |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                    |                               |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> </ul>                                                                                                                                                                                                                                                                                                   |                               |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                |                               |



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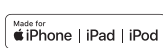
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## DH Series 2-Inch Specifications

| Model                             | DH220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DH320                            | DH220T                                                                                                                                                                                           | DH320T                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12 dots / mm (300 dpi)           | 8 dots / mm (203 dpi)                                                                                                                                                                            | 12 dots / mm (300 dpi)           |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                                                                                                                                  |                                  |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 152mm(6") / second               | 203mm(8") / second                                                                                                                                                                               | 152mm(6") / second               |
| Max. Print Width                  | 54mm (2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.9mm (2.24")                   | 54mm (2.13")                                                                                                                                                                                     | 56.9mm (2.24")                   |
| Max. Print Length                 | 25,400mm (1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11,430mm (450")                  | 25,400mm (1,000")                                                                                                                                                                                | 11,430mm (450")                  |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                                  |                                  |
| Physical Dimension                | 138mm(W)x 172mm(H)x 210mm(D)<br>5.43"(W)x 6.77"(H)x 8.27"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |                                                                                                                                                                                                  |                                  |
| Weight                            | 1.6kg (3.53lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                                                                                                                                                                                                  |                                  |
| Label Roll Capacity               | 127mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  |                                                                                                                                                                                                  |                                  |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                                                                                                                                                                                                  |                                  |
| Memory                            | <ul style="list-style-type: none"><li>• 128 MB Flash memory</li><li>• 128 MB SDRAM</li><li>• microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li></ul>                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                  |                                  |
| Interface                         | <ul style="list-style-type: none"><li>• USB 2.0</li><li>• RS-232</li><li>• USB Host</li><li>• Internal Ethernet, 10/100 Mbps</li><li>• 802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li><li>• Bluetooth 5.0 (dealer option)</li><li>• MFi Bluetooth 5.0 (factory option)</li></ul>                                                                                                                                                                                                              |                                  |                                                                                                                                                                                                  |                                  |
| Power                             | External universal switching power supply <ul style="list-style-type: none"><li>• Input: AC 100-240V, 1.5A, 50-60Hz</li><li>• Output: DC 24V, 2.5A, 60W</li></ul>                                                                                                                                                                                                                                                                                                                                                         |                                  |                                                                                                                                                                                                  |                                  |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed button</li><li>• 1 pause button</li><li>• 1 reprint button</li><li>• 1 status indicator</li><li>• 3 intuitive icon indicators</li></ul>                                                                                                                                                                                                                                                                                                           |                                  | <ul style="list-style-type: none"><li>• 1 power switch</li><li>• 1 feed button</li><li>• 1 pause button</li><li>• 1 reprint button</li><li>• 3.5" color touch display, 480 x 320 pixel</li></ul> |                                  |
| Sensors                           | <ul style="list-style-type: none"><li>• Transmissive gap sensor</li><li>• Black mark reflective sensor (position adjustable)</li><li>• Head open sensor</li></ul>                                                                                                                                                                                                                                                                                                                                                         |                                  |                                                                                                                                                                                                  |                                  |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                  |                                  |
| Internal Font                     | <ul style="list-style-type: none"><li>• 8 alpha-numeric bitmap fonts</li><li>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li><li>• ARIALUNI.TTF Unicode true type font</li></ul>                                                                                                                                                                                                                                                                                         |                                  |                                                                                                                                                                                                  |                                  |
| Barcode                           | <ul style="list-style-type: none"><li>• 1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li><li>• 2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li></ul> |                                  |                                                                                                                                                                                                  |                                  |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                                                                                                                                                  |                                  |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                                                                                                                                  |                                  |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound), linerless media (for linerless option)                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                  |                                  |
| Media Width                       | 15 - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                                                                                                                                                                                  |                                  |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                                                                                                                                                  |                                  |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                                                                                                                                  |                                  |
| Label Length                      | 5mm - 25,400mm<br>(0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5mm - 11,430mm<br>(0.20" - 450") | 5mm - 25,400mm<br>(0.20" - 1,000")                                                                                                                                                               | 5mm - 11,430mm<br>(0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"><li>• Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li><li>• Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li></ul>                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                                                                                                                                  |                                  |
| Safety Regulation                 | CB, FCC Class B, IC, cTÜVus, NOM, CE Class B, UKCA, EAC, CCC, RCM, BSMI, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                  |                                  |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                                                                                                                                                                                  |                                  |
| Accessories                       | <ul style="list-style-type: none"><li>• Quick start guide</li><li>• USB cable</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                  | <ul style="list-style-type: none"><li>• Power cord</li><li>• External universal switching power supply</li></ul>                                                                                 |                                  |
| Limited Warranty                  | <ul style="list-style-type: none"><li>• Printer: 2 years</li><li>• Printhead: 25km (1 million inches) or 12 months which comes first</li><li>• Platen: 50km (2 million inches) or 12 months which comes first</li></ul>                                                                                                                                                                                                                                                                                                   |                                  |                                                                                                                                                                                                  |                                  |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                                                                                                                                                                                                  |                                  |
| Dealer Option                     | <ul style="list-style-type: none"><li>• Peel-off module</li><li>• Guillotine cutter (full cut and partial cut)</li><li>• 802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li></ul>                                                                                                                                                                                                                                                                                                                                 |                                  | <ul style="list-style-type: none"><li>• Bluetooth 5.0 module</li><li>• Linerless with cutter (full cut)</li><li>• Linerless with tear</li></ul>                                                  |                                  |
| User Option                       | <ul style="list-style-type: none"><li>• External label roll mount</li><li>• KP-200 Plus keyboard display unit</li><li>• 10mm narrow media adaptor</li></ul>                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                                                                                                                                  |                                  |



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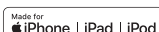
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## DH Series 2-Inch Specifications

| Model                             | DH220E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DH320E                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 dots / mm (300 dpi)      |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 152mm(6") / second          |
| Max. Print Width                  | 54mm(2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.9mm(2.24")               |
| Max. Print Length                 | 2,286mm(90")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1,016mm(40")                |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |
| Physical Dimension                | 138mm(W)x172mm(H)x210mm(D)<br>5.43"(W)x6.77"(H)x8.27"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |
| Weight                            | 1.3kg(2.87lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |
| Label Roll Capacity               | 127mm(5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |
| Memory                            | <ul style="list-style-type: none"> <li>8 MB Flash memory</li> <li>16 MB SDRAM</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |
| Interface                         | USB 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                             |
| Power                             | External universal switching power supply <ul style="list-style-type: none"> <li>Input: AC 100-240V, 2A, 50-60Hz</li> <li>Output: DC 24V, 2A, 48W</li> </ul>                                                                                                                                                                                                                                                                                                                                                             |                             |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>1 status indicator</li> <li>2 intuitive icon indicators</li> </ul>                                                                                                                                                                                                                                                                                                               |                             |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |                             |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> </ul>                                                                                                                                                                                                                                                                                                                                       |                             |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                             |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch(outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |
| Media Width                       | 15 - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |
| Label Length                      | 5mm - 2,286mm (0.20" - 90")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5mm - 1,016mm (0.20" - 40") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                            |                             |
| Safety Regulation                 | CB, FCC Class A, IC, cTUVus, MON, CE Class A, UKCA, EAC, BSMI, CCC, BIS, RCM, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                             |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> </ul>                                                                                                                                                                                                                                                                                                                                                            |                             |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                    |                             |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           |                             |



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## DH Series 2-Inch for Healthcare Specifications

| Model                             | DH220THC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DH320THC                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 dots / mm (300 dpi)        |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 152mm(6") / second            |
| Max. Print Width                  | 54mm(2.13")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 56.9mm(2.24")                 |
| Max. Print Length                 | 25,400mm(1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11,430mm(450")                |
| Enclosure                         | <ul style="list-style-type: none"> <li>Clamshell with double-walled plastic</li> <li>Disinfectant-ready plastic, designed with an easy-to-clean surface and a sealed button interface</li> <li>Antibacterial enclosure</li> </ul>                                                                                                                                                                                                                                                                                        |                               |
| Physical Dimension                | 138mm(W)x 172mm(H)x 210mm(D)<br>5.43"(W)x 6.77"(H)x 8.27"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Weight                            | 1.6kg(3.53lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Label Roll Capacity               | 127mm(5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                               |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFfi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                  |                               |
| Power                             | <ul style="list-style-type: none"> <li>External universal switching power supply</li> <li>IEC 60601-1 certified power supply</li> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 2.5A, 60W</li> </ul>                                                                                                                                                                                                                                                                                                    |                               |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                                                                                                                                                                                             |                               |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                          |                               |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                               |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound), linerless media (for linerless option)                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Media Width                       | 15mm - 60mm (0.59" - 2.36")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5mm - 11,430mm (0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                            |                               |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, CE Class B, UKCA, EAC, CCC, RCM, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> </ul>                                                                                                                                                                                                                                                                                                                                                            |                               |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                    |                               |
| Factory Option                    | MFfi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> <li>Linerless with cutter (full cut)</li> <li>Linerless with tear</li> </ul>                                                                                                                                                                                                                             |                               |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                |                               |



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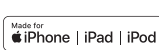
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## TH Series 4-Inch Specifications

| Model                             | TH240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TH340                         | TH240T                          | TH340T                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|-------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 dots / mm (300 dpi)        | 8 dots / mm (203 dpi)           | 12 dots / mm (300 dpi)        |
| Printing Method                   | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                                 |                               |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 152mm(6") / second            | 203mm(8") / second              | 152mm(6") / second            |
| Max. Print Width                  | 108mm(4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 105.7mm(4.16")                | 108mm(4.25")                    | 105.7mm(4.16")                |
| Max. Print Length                 | 25,400mm(1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11,430mm(450")                | 25,400mm(1,000")                | 11,430mm(450")                |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                 |                               |
| Physical Dimension                | 223mm(W)x186mm(H)x286mm(D)<br>8.78"(W)x7.32"(H)x11.26"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |                                 |                               |
| Weight                            | 2.8kg(6.17lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                 |                               |
| Label Roll Capacity               | 127mm(5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                                 |                               |
| Ribbon                            | <ul style="list-style-type: none"> <li>300m long, max. OD 67mm, 1" core (ink coated outside)</li> <li>110m long, max. OD 40mm, 0.5" core (ink coated outside)</li> </ul>                                                                                                                                                                                                                                                                                                                                                 |                               |                                 |                               |
| Ribbon Width                      | 40mm - 110mm (1.6" - 4.3")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |                                 |                               |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |                                 |                               |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                               |                                 |                               |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFfi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                 |                               |                                 |                               |
| Power                             | External universal switching power supply <ul style="list-style-type: none"> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 3.75A, 90W</li> </ul>                                                                                                                                                                                                                                                                                                                                                        |                               |                                 |                               |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>1 status indicator</li> <li>4 intuitive icon indicators</li> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                           |                               |                                 |                               |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                               |                               |                                 |                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |                                 |                               |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                          |                               |                                 |                               |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                               |                                 |                               |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |                                 |                               |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                 |                               |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |                                 |                               |
| Media Width                       | 15mm - 120mm (0.59" - 4.72")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                                 |                               |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |                                 |                               |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |                                 |                               |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5mm - 11,430mm (0.20" - 450") | 5mm - 25,400mm (0.20" - 1,000") | 5mm - 11,430mm (0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                            |                               |                                 |                               |
| Safety Regulation                 | CB, FCC Class B, IC, cTÜVus, NOM, CE Class B, UKCA, EAC, CCC, BIS, RCM, BSMI, KC, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                                 |                               |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |                                 |                               |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> <li>1" ribbon spindle x 2 for 300m ribbon roll</li> <li>1" ribbon paper core</li> <li>Media adaptor for 120mm wide media</li> </ul>                                                                                                                                                                                                                              |                               |                                 |                               |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                    |                               |                                 |                               |
| Factory Option                    | MFfi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |                                 |                               |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>Care label cutter (full cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> </ul>                                                                                                                                                                                                                                                             |                               |                                 |                               |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                |                               |                                 |                               |



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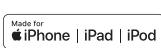
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## TH Series 4-Inch for Healthcare Specifications

| Model                             | TH240THC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TH340THC                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12 dots / mm (300 dpi)        |
| Printing Method                   | Thermal Transfer & Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Max. Print Speed                  | 203mm (8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 152mm (6") / second           |
| Max. Print Width                  | 108mm (4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 105.7mm (4.16")               |
| Max. Print Length                 | 25,400mm (1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11,430mm (450")               |
| Enclosure                         | <ul style="list-style-type: none"> <li>Clamshell with double-walled plastic</li> <li>Disinfectant-ready plastic, designed with an easy-to-clean surface and a sealed button interface</li> <li>Antibacterial enclosure</li> </ul>                                                                                                                                                                                                                                                                                        |                               |
| Physical Dimension                | 223mm (W) x 186mm (H) x 286mm (D)<br>8.78" (W) x 7.32" (H) x 11.26" (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
| Weight                            | 2.8kg (6.17lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Label Roll Capacity               | 127mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| Ribbon                            | <ul style="list-style-type: none"> <li>300m long, max. OD 67mm, 1" core (ink coated outside)</li> <li>110m long, max. OD 40mm, 0.5" core (ink coated outside)</li> </ul>                                                                                                                                                                                                                                                                                                                                                 |                               |
| Ribbon Width                      | 40mm - 110mm (1.6" - 4.3")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                               |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                  |                               |
| Power                             | External universal switching power supply<br><ul style="list-style-type: none"> <li>IEC 60601-1 certified power supply</li> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 3.75A, 90W</li> </ul>                                                                                                                                                                                                                                                                                                         |                               |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                                                                                                                                                                                             |                               |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                               |                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                          |                               |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> |                               |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
| Media Width                       | 15mm - 120mm (0.59" - 4.72")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5mm - 11,430mm (0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                            |                               |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, CE Class B, UKCA, EAC, CCC, BIS, RCM, KC, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> <li>1" ribbon spindle x 2 for 300m ribbon roll</li> <li>1" ribbon paper core</li> <li>Media adaptor for 120mm wide media</li> </ul>                                                                                                                                                                                                                              |                               |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                    |                               |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> </ul>                                                                                                                                                                                                                                                                                                   |                               |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                |                               |



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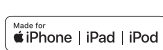
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## DH Series 4-Inch Specifications

| Model                             | DH240T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DH340T                       |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12 dots / mm (300 dpi)       |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |
| Max. Print Speed                  | 203mm(8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 152mm(6") / second           |
| Max. Print Width                  | 108mm(4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 105.7mm(4.16")               |
| Max. Print Length                 | 25,400mm(1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11,430mm(450")               |
| Enclosure                         | Clamshell with double-walled plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |
| Physical Dimension                | 208mm(W)x170mm(H)x235mm(D)<br>8.19"(W)x6.69"(H)x9.25"(D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |
| Weight                            | 2.1kg(4.63lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |
| Label Roll Capacity               | 127mm(5")OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                  |                              |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module(dealer option)</li> <li>Bluetooth 5.0(dealer option)</li> <li>MFi Bluetooth 5.0(factory option)</li> </ul>                                                                                                                                                                                                                     |                              |
| Power                             | External universal switching power supply<br>• Input: AC 100-240V, 2.0A, 50-60Hz<br>• Output: DC 24V, 3.75A, 90W                                                                                                                                                                                                                                                                                                                                                                                                        |                              |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                                                                                                                                                                                            |                              |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor(position adjustable)</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |                              |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                         |                              |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode<br/>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode<br/>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar(RSS barcode)</li> </ul> |                              |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |
| Printer Language                  | TSPL-EZD(Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch(outside wound), linerless media(for linerless option)                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |
| Media Width                       | 15mm - 120mm(0.59" - 4.72")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |
| Media Thickness                   | 0.06mm - 0.19mm(2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |
| Media Core Diameter               | 25.4mm - 38.1mm(1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |
| Label Length                      | 5mm - 25,400mm(0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5mm - 11,430mm(0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C(32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C(-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                             |                              |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, NOM, CE Class B, UKCA, EAC, CCC, BIS, RCM, KC, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> </ul>                                                                                                                                                                                                                                                                                                                                                           |                              |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km(1 million inches) or 12 months which comes first</li> <li>Platen: 50km(2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                     |                              |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter(full cut and partial cut)</li> <li>802.11a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> <li>Linerless with cutter(full cut)</li> <li>Linerless with tear</li> </ul>                                                                                                                                                                                                                              |                              |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                               |                              |



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## DH Series 4-Inch for Healthcare Specifications

| Model                             | DH240THC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DH340THC                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Resolution                        | 8 dots / mm (203 dpi)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12 dots / mm (300 dpi)        |
| Printing Method                   | Direct Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |
| Max. Print Speed                  | 203mm (8") / second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 152mm (6") / second           |
| Max. Print Width                  | 108mm (4.25")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 105.7mm (4.16")               |
| Max. Print Length                 | 25,400mm (1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11,430mm (450")               |
| Enclosure                         | <ul style="list-style-type: none"> <li>Clamshell with double-walled plastic</li> <li>Disinfectant-ready plastic, designed with an easy-to-clean surface and a sealed button interface</li> <li>Antibacterial enclosure</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
| Physical Dimension                | 208mm (W) x 170mm (H) x 235mm (D)<br>8.19" (W) x 6.69" (H) x 9.25" (D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Weight                            | 2.1kg (4.63lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Label Roll Capacity               | 127mm (5") OD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Processor                         | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Memory                            | <ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Interface                         | <ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFi Bluetooth 5.0 (factory option)</li> </ul>                                                                                                                                                                                                                                                                                                                                            |                               |
| Power                             | External universal switching power supply <ul style="list-style-type: none"> <li>IEC 60601-1 certified power supply</li> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 3.75A, 90W</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Operation Switch, Button, LED/LCD | <ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" color touch display, 480 x 320 pixel</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Sensors                           | <ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Head open sensor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Real Time Clock                   | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Internal Font                     | <ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |
| Barcode                           | <ul style="list-style-type: none"> <li>1D barcode               <ul style="list-style-type: none"> <li>Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> </ul> </li> <li>2D barcode               <ul style="list-style-type: none"> <li>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul> </li> </ul> |                               |
| Font & Barcode Rotation           | 0, 90, 180, 270 degree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |
| Printer Language                  | TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |
| Media Type                        | Continuous, die-cut, black mark, fan-fold, notch (outside wound), linerless media (for linerless option)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |
| Media Width                       | 15mm - 120mm (0.59" - 4.72")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Media Thickness                   | 0.06mm - 0.19mm (2.36mil - 7.48mil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |
| Media Core Diameter               | 25.4mm - 38.1mm (1" - 1.5")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |
| Label Length                      | 5mm - 25,400mm (0.20" - 1,000")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5mm - 11,430mm (0.20" - 450") |
| Environment Condition             | <ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Safety Regulation                 | CB, FCC Class B, IC, cTUVus, CE Class B, UKCA, EAC, CCC, BIS, RCM, BSMI, KC, Energy Star 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               |
| Environmental Concern             | Comply with RoHS, REACH, WEEE, China RoHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Accessories                       | <ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |
| Limited Warranty                  | <ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |
| Factory Option                    | MFi Bluetooth 5.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |
| Dealer Option                     | <ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> <li>Linerless with cutter (full cut)</li> <li>Linerless with tear</li> </ul>                                                                                                                                                                                                                                                                                                                                                      |                               |
| User Option                       | <ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |



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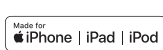
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