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## ML240 SERIES

*Simplicity and Agility Just One Step Away*

TSC ML240 Series is a brand new generation of industrial barcode label printers. The light industrial ML240 Series features ease of use, intuitive color GUI display, noise-reduced printing, and self-diagnostic TPH Care. The ML240 Series has a durable and flexible design and does not require special tools for performing common service and maintenance.

Its compact footprint is perfect for crowded work environments. The ML240 Series is designed for durability while producing high quality printed labels. With its enhanced design and printing algorithm, the noise level from printing operation is dramatically reduced. The adjustable thermal printhead and self-diagnostic TPH Care mechanism ensure optimal print quality regardless of the application or label design.

### KEY FEATURES



#### Streamlined and Small Footprint Design

- Brand new compact design
- Small footprint fits easily into more spaces and fits in limited operation areas



#### Robust and Agile Design for Optimal Quality

- The combination of rugged die-cast, modularized base and adjustable TPH module design structure optimizes print quality



#### Noise-Reduction Printing Engineering

- Its enhanced design and printing algorithm feature results in a quieter and smoother printing operation



#### Self-Diagnostic TPH Care Mechanism

- An advanced mechanism allows for real-time printhead health status to ensure stable and high quality printouts for maximum cost-effectiveness



#### Effortless User Operation with Color Display

- Wide open angle for easy media handling
- Ease of use 2.3" color GUI display and intuitive indicator



#### One Step Maintenance

- Tool-less removal and replacement of the printhead and platen roller saves time

### APPLICATIONS



#### Manufacturing

- Work In Process
- Product Marking
- Compliance Labeling



#### Warehouse & Logistics

- Packing
- Order Fulfilment
- Shipping/Receiving
- Inventory Management



#### Healthcare

- Blood Test Tube Label
- Patient Wristband Label



#### Retail

- Product Label
- Event Ticketing

# ML240 SERIES – Industrial Thermal Transfer Bar Code Printer

| PRINTER MODEL             | ML240                                                                                                                                                                                                                                                                                                                                                                                                                            | ML340                     | ML240P                                                                                                                                                                                                | ML340P                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 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          | 152 mm (6")/second                                                                                                                                                                                                                                                                                                                                                                                                               | 127 mm (5")/second        | 152 mm (6")/second                                                                                                                                                                                    | 127 mm (5")/second        |
| Max. print width          | 108 mm (4.25")                                                                                                                                                                                                                                                                                                                                                                                                                   | 105.7mm(4.16")            | 108 mm (4.25")                                                                                                                                                                                        | 105.7mm(4.16")            |
| Max. print length         | 2,794 mm (110")                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,016 mm (40")            | 2,794 mm (110")                                                                                                                                                                                       | 1,016 mm (40")            |
| Enclosure                 | Die-cast print mechanism/Metal cover with large media window                                                                                                                                                                                                                                                                                                                                                                     |                           |                                                                                                                                                                                                       |                           |
| Physical dimension        | 248 mm (W) x 245 mm (H) x 330 mm (D)<br>9.76" (W) x 9.65" (H) x 12.99" (D)                                                                                                                                                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                       |                           |
| Weight                    | 7.4 kg (16.31 lbs)                                                                                                                                                                                                                                                                                                                                                                                                               |                           | 7.6 kg (16.76 lbs)                                                                                                                                                                                    |                           |
| Label roll capacity       | 139.7 mm (5.5") O.D., 1" or 1.5" I.D core                                                                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                                                                                                                                       |                           |
| Ribbon                    | 450 m long, max. O.D. 81.3 mm, 1" core (ink coated outside or inside)                                                                                                                                                                                                                                                                                                                                                            |                           |                                                                                                                                                                                                       |                           |
| Ribbon width              | 40 mm ~ 110 mm (1.6" ~ 4.3")                                                                                                                                                                                                                                                                                                                                                                                                     |                           |                                                                                                                                                                                                       |                           |
| Processor                 | 32-bit RISC CPU                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                                                                                                                                                                       |                           |
| Memory                    | • 8 MB Flash memory<br>• 16 MB SDRAM                                                                                                                                                                                                                                                                                                                                                                                             |                           | • 128 MB Flash memory<br>• 64 MB SDRAM                                                                                                                                                                |                           |
| Interface                 | • USB 2.0<br>• Internal Bluetooth 4.2 (dealer option)                                                                                                                                                                                                                                                                                                                                                                            |                           | • RS-232<br>• USB 2.0<br>• Internal Ethernet, 10/100 Mbps<br>• USB host, for scanner or PC keyboard<br>• Internal Bluetooth 4.2 (dealer option)<br>• Slot-in 802.11 a/b/g/n wireless (dealer option)* |                           |
| Power                     | Internal universal switching power supply<br>• Input: AC 100-240V, 1.5A, 50-60Hz<br>• Output: DC 24V, 2.5A, 60W                                                                                                                                                                                                                                                                                                                  |                           |                                                                                                                                                                                                       |                           |
| Display                   | • 1 status indicator                                                                                                                                                                                                                                                                                                                                                                                                             |                           | • 2.3" color LCD<br>• 1 status indicator                                                                                                                                                              |                           |
| Operation switch, button  | • 2 buttons (Pause, Feed)                                                                                                                                                                                                                                                                                                                                                                                                        |                           | • 6 buttons (Menu, Pause/Feed, Up, Down, Left, Right)                                                                                                                                                 |                           |
| Sensors                   | • Gap transmissive sensor (position adjustable)<br>• Black mark reflective sensor (position adjustable)<br>• Ribbon end sensor<br>• Head open sensor                                                                                                                                                                                                                                                                             |                           |                                                                                                                                                                                                       |                           |
| Real time clock           | N/A                                                                                                                                                                                                                                                                                                                                                                                                                              |                           | Standard                                                                                                                                                                                              |                           |
| Internal fonts            | • 8 alpha-numeric bitmap fonts<br>• Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font                                                                                                                                                                                                                                                                                                 |                           |                                                                                                                                                                                                       |                           |
| Bar code                  | • 1D bar code<br>Code 11, Code 39, Code 49, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Standard 2 of 5, Industrial 2 of 5, Interleave 2 of 5, EAN-8, EAN-13, EAN-14, EAN-128, ITF14, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, PLANET, POSTNET, RSS-Stacked, GS1 DataBar, China Post, Telepen, LOGMARS<br>• 2D bar code<br>PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS |                           |                                                                                                                                                                                                       |                           |
| Font and 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, notched (outside wound)                                                                                                                                                                                                                                                                                                                                                               |                           |                                                                                                                                                                                                       |                           |
| Media width               | 20 ~ 118 mm (0.8" ~ 4.7")<br>20 ~ 114.3 (0.79" ~ 4.5") for peel or cutter mode                                                                                                                                                                                                                                                                                                                                                   |                           |                                                                                                                                                                                                       |                           |
| Media thickness           | 0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                                                                                                                                                                                                       |                           |
| Media core diameter       | 25.4 mm or 38.1 mm (1" or 1.5")                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                                                                                                                                                                                                       |                           |
| Label length              | 5 ~ 2,794 mm (0.2" ~ 110")                                                                                                                                                                                                                                                                                                                                                                                                       | 5 ~ 1,016 mm (0.2" ~ 40") | 5 ~ 2,794 mm (0.2" ~ 110")                                                                                                                                                                            | 5 ~ 1,016 mm (0.2" ~ 40") |
| Environment condition     | Operation: 5 ~ 40°C, 25 ~ 85% non-condensing<br>Storage: -40 ~ 60°C, 10 ~ 90% non-condensing                                                                                                                                                                                                                                                                                                                                     |                           |                                                                                                                                                                                                       |                           |
| Safety regulation         | FCC Class A, CE Class A, RCM Class A, cTUVus, TÜV/safety, CCC, BIS, KC, BSMI, EAC, ENERGY STAR®                                                                                                                                                                                                                                                                                                                                  |                           |                                                                                                                                                                                                       |                           |
| Environmental concern     | Comply with RoHS, REACH, WEEE                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                                                                                                                                                                                                       |                           |
| Accessories               | • Windows labeling software CD disk<br>• Quick start guide<br>• USB cable<br>• Power cord                                                                                                                                                                                                                                                                                                                                        |                           |                                                                                                                                                                                                       |                           |
| Limited warranty          | • Printer: 2 years<br>• Print head: 25 km (1 million inches) or 12 months which comes first<br>• Platen: 50 km (2 million inches) or 12 months which comes first                                                                                                                                                                                                                                                                 |                           |                                                                                                                                                                                                       |                           |
| Dealer options            | • Internal Bluetooth 4.2                                                                                                                                                                                                                                                                                                                                                                                                         |                           | • Peel-off kit<br>• Regular guillotine cutter (full cut)<br>• Internal Bluetooth 4.2<br>• 802.11 a/b/g/n wireless module (for device without slot-in housing)*                                        |                           |
| User options              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                              |                           | • KP-200 Plus keyboard display unit<br>• 802.11 a/b/g/n wireless module (for device with slot-in housing)*                                                                                            |                           |

Note: \*Either Wireless or Bluetooth interface is available.



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