ML240 SERIES
Simplicity and Agility Just One Step Away

ML240P

ML240

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

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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) 9.76" (W) x 9.65" (H) x 12.99" (D)			
Weight	7.6 kg (16.76 lbs)		7.4 kg (16.31 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 ~ 110 mm (1.6" ~ 4.3")			
Processor	32-bit RISC CPU			
Memory	• 8 MB Flash memory • 16 MB SDRAM		• 128 MB Flash memory • 64 MB SDRAM	
Interface	• USB 2.0 • Internal Bluetooth 4.2 MFi (factory option)		• RS-232 • USB 2.0 • Internal Ethernet, 10/100 Mbps • USB host, for scanner or PC keyboard • Internal Bluetooth 4.2 MFi (factory option) • Slot-in 802.11 a/b/g/n wireless (dealer option)*	
Power	Internal universal switching power supply • Input: AC 100-240V, 1.5A, 50-60Hz • Output: DC 24V, 2.5A, 60W			
Display	• 1 status indicator		• 2.3" color LCD • 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) • Black mark reflective sensor (position adjustable) • Ribbon end sensor • Head open sensor			
Real time clock	N/A		Standard	
Internal fonts	• 8 alpha-numeric bitmap fonts • Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font			

Bar code	• 1D bar code
	  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
	• 2D bar code
	  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") 20 ~ 114.3 mm (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 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 Storage: -40 ~ 60°C, 10 ~ 90% non-condensing		Operation: 0 ~ 40°C, 25 ~ 85% non-condensing 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 • Quick start guide • USB cable • Power cord			
Limited warranty	• Printer: 2 years • Print head: 25 km (1 million inches) or 12 months which comes first • Platen: 50 km (2 million inches) or 12 months which comes first			
Factory options	• Internal Bluetooth 4.2 MFi			
Dealer options	N/A		• Peel-off kit • Regular guillotine cutter (full cut) • 802.11 a/b/g/n wireless module (for device without slot-in housing)*	
User options	N/A		• KP-200 Plus keyboard display unit • 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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TSC
The Smarter Choice.

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