

3M™ Thermal Roll Printer TRP-303
Product Bulletin



High Quality Compact Printer



3M™ Thermal Roll Printer TRP-303

The 3M Thermal Roll Printer TRP-303 is specifically designed to print on continuous reels of heat shrink wire markers. The durable double-walled clam shell is coupled with a compact size to ensure the printer can be utilized in congested, industrial workspaces. The Thermal Roll Printer TRP-303 can be purchased with a full cutter or a partial cutter (which can maintain the order of sequential marks). The software included with the printer has the same look and feel as WYSIWYG (“what you see is what you get”) programs with the capability to create bar codes and graphics with alphanumeric characters. Ethernet, USB 2.0, Serial and Parallel interfaces are standard.



Specifications	
Resolution	300 DPI
Print Speed	Up to 4 ips
Bench Space Requirements (L x W x H)	22.5 in. x 8.1 in. x 8.9 in. / 571 mm x 206 mm x 226 mm
Operating Temperature	41°F to 104°F (5°C to 40°C)
Max. Print Width	4 in (101.6 mm)
Ribbon Capacity	110 meters, Max. 1.57 in. (40 mm) OD, 0.5 in. (12.7 mm) slotted core
Interface	Internal Ethernet, USB 2.0, Centronics and RS-232C
Media Type	Continuous heat shrink sleeve
Media Width & Thickness	0.20 - 4.17 in. (5.0 - 106 mm) / 2.3 - 0.40 mil (0.06 – 1.0 mm)
Memory	Standard memory of 4 MB Flash, 8 MB SDRAM and a slot for a SD card that expands memory up to 4 GB
Required Operating Systems	Windows® (95, 98, NT with Service Pack 6, 2000, XP)
System Requirements	Recommend at least 64 MB of RAM and 15 MB free hard-disk space

Product Number	Description	UPC # (051128-)
TRP-303-PC-ES	3M™ Thermal Roll Printer with Partial Cutter TRP-303-PC-ES	58362
TRP-303-FC-ES	3M™ Thermal Roll Printer with Full Cutter TRP-303-FC-ES	58363

System Components

- Printer Unit
 - CD with Labeling & Driver Software
 - Quick Installation Guide
 - Power Cord & Ribbon Take-Up Core
- Auto Switching Supply
 - USB Interface Cable
 - External Media Stand
 - Full or Partial Cutter



Warranty period: The 3M TRP-303 Printer will be free from defects in material and manufacture for a period of one year from the date of purchase. Since print heads and cutters are consumable materials, these items are warranted for thirty (30) days from the date of purchase. See back page for full warranty statement. Printer head life: 16,404 yds. (15 km) of printed product, equivalent to more than 500,000 heat shrink marker sleeves of 1 inch in length.

3M™ Heat Shrinkable Marker Sleeve FP-303MS

3M Heat Shrinkable Marker Sleeve FP-303MS is a heat shrinkable tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial applications. Available in continuous spools, the Heat Shrinkable Marker Sleeve FP-303MS is designed for computer-based printing using the 3M Thermal Roll Printer TRP-303.



Key Features:

- 3:1 shrink ratio
- Minimum shrink temperature 100°C (212°F)
- Meets the material requirements of SAE-AMS-DTL-23053 / 5
- Marker permanence per SAE-AS81531 and MIL-STD-202 Method 215k when used with 3M Thermal Roll Printer Black Ribbon RBN-BLK series
- Operating temperature -67°F to +275°F (-55°C to +135°C)
- UL recognized and CSA certified at 125°C/66V

Product Number	UPC # (051128-)	Expanded ID (min.)	Color	Roll Length	Recommended Use OD	Nominal THHN Wire Size
FP-303MS-1/8-WH-100	58360	0.125" (3.18 mm)	White	100 feet (30.5 m)	0.046"-0.106" (1.16 mm-2.70 mm)	22 AWG - 16 AWG
FP-303MS-3/16-WH-100	58346	0.187" (4.75 mm)	White	100 feet (30.5 m)	0.069"-0.159" (1.74 mm-4.04 mm)	18 AWG - 12 AWG
FP-303MS-1/4-WH-100	58347	0.250" (6.36 mm)	White	100 feet (30.5 m)	0.092"-0.213" (2.33 mm-5.40 mm)	16 AWG - 10 AWG
FP-303MS-3/8-WH-100	58348	0.375" (9.53 mm)	White	100 feet (30.5 m)	0.138"-0.319" (3.49 mm-8.10 mm)	10 AWG - 6 AWG
FP-303MS-1/2-WH-100	58349	0.500" (12.70 mm)	White	100 feet (30.5 m)	0.183"-0.425" (4.66 mm-10.80 mm)	8 AWG - 2 AWG
FP-303MS-3/4-WH-75	58350	0.750" (19.05 mm)	White	75 feet (22.9 m)	0.275"-0.638" (6.99 mm-16.19 mm)	6 AWG - 3/0 AWG
FP-303MS-1-WH-50	58351	1.000" (25.40 mm)	White	50 feet (15.2 m)	0.367"-0.850" (9.31 mm-21.59 mm)	2 AWG - 350 MCM
FP-303MS-1/8-YL-100	58361	0.125" (3.18 mm)	Yellow	100 feet (30.5 m)	0.046"-0.106" (1.16 mm-2.70 mm)	22 AWG - 16 AWG
FP-303MS-3/16-YL-100	58353	0.187" (4.75 mm)	Yellow	100 feet (30.5 m)	0.069"-0.159" (1.74 mm-4.04 mm)	18 AWG - 12 AWG
FP-303MS-1/4-YL-100	58354	0.250" (6.36 mm)	Yellow	100 feet (30.5 m)	0.092"-0.213" (2.33 mm-5.40 mm)	16 AWG - 10 AWG
FP-303MS-3/8-YL-100	58355	0.375" (9.53 mm)	Yellow	100 feet (30.5 m)	0.138"-0.319" (3.49 mm-8.10 mm)	10 AWG - 6 AWG
FP-303MS-1/2-YL-100	58356	0.500" (12.70 mm)	Yellow	100 feet (30.5 m)	0.183"-0.425" (4.66 mm-10.80 mm)	8 AWG - 2 AWG
FP-303MS-3/4-YL-75	58357	0.750" (19.05 mm)	Yellow	75 feet (22.9 m)	0.275"-0.638" (6.99 mm-16.19 mm)	6 AWG - 3/0 AWG
FP-303MS-1-YL-50	58358	1.000" (25.40 mm)	Yellow	50 feet (15.2 m)	0.367"-0.850" (9.31 mm-21.59 mm)	2 AWG - 350 MCM

Accessories and Supplies

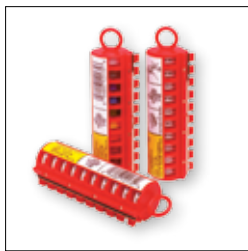
3M™ Thermal Roll Printer TRP-303 accessory replacement parts are recommended to ensure the proper operation of the Thermal Roll Printer TRP-303. 3M™ Thermal Roll Printer Black Ribbons are premium resin type that exhibit superior durability when compared to wax or resin-wax blend types. These ribbons have been chosen for their superior mark performance when used with heat shrink sleeves.

All supplies and replacement parts for the 3M Thermal Roll Printer TRP-303 are listed below:



Product Number	Description	UPC # (051128-)
PC-RPL/TRP-303	3M™ Thermal Roll Printer Partial Cutter Replacement	58364
FC-RPL/TRP-303	3M™ Thermal Roll Printer Full Cutter Replacement	58365
PH-RPL/TRP-303	3M™ Thermal Roll Printer Thermal Print Head Replacement	58366
PS-RPL/TRP-303	3M™ Thermal Roll Printer Power Supply Replacement	58367
RBN-BLK-4/TRP-303	3M™ Thermal Roll Printer Black Ribbon 4 in. x 360 ft.	58368
RBN-BLK-2/TRP-303	3M™ Thermal Roll Printer Black Ribbon 2 in. x 360 ft.	58369
PR-RPL/TRP-303	3M™ Thermal Roll Printer Platten Roller Replacement	58384
MS-RPL/TRP-303	3M™ Thermal Roll Printer Media Stand Replacement	58385

Ask about these additional identification systems from 3M.



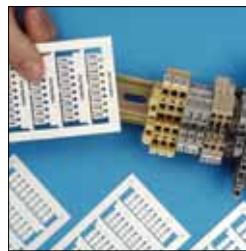
3M™ ScotchCode™ Tape Dispensers



3M™ ScotchCode™ Write-On Dispensers



3M™ ScotchCode™ Wire Marker Books



3M™ Grafoplast™ Si2K Identification System



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Important Notice

Before utilizing any of 3M's products, you should determine the suitability of the product for your intended use. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

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