

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.



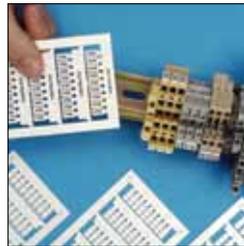
3M™ ScotchCode™ Tape Dispensers



3M™ ScotchCode™ Write-On Dispensers



3M™ ScotchCode™ Wire Marker Books



3M™ Grafoplast™ Si2K Identification System



3M and Grafoplast are trademarks of 3M Company.

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.

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 when used with compatible 3M products. All other 3M products will be free from defects in material and manufacture at the time of purchase, unless otherwise stated in the Product Literature. **3M MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If the products are defective within the warranty period stated above, 3M's obligation and liability under this warranty are limited to repairing, replacing or refund of the purchase price, at 3M's option, of any 3M's products which, after normal and proper usage, are determined by 3M to be defective. This warranty does not extend to any 3M products which have been subjected to misuse, neglect accident or improper application, nor shall it extend to products which have been repaired or substantially altered outside of 3M's manufacturing or repair facility. In no case shall 3M be liable for any indirect, special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory.



Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 676 8381
FAX 800 828 9329
www.3M.com/electrical

© 3M 2009. All rights reserved.
80-6016-0409-5