M-5900RV

Direct Thermal Printer

- **Heavy-Duty Industrial Construction**

- **High Reliability, Low Maintenance**

- **Long Life Print Head**

- **User Friendly Operation**

- **EXT Auxiliary Interface Connector**

- **Plug-In I/F Modules**
  - ⇨ **RS232 - 19.2k bps**
  - ⇨ **Parallel**
  - ⇨ **USB**
  - ⇨ **Ethernet - 10/100BaseT**
  - ⇨ **Twinax/Coax**

- **M-5900 Compatible**

- **LCD Display**

- **Optional Label Cutter**

- **Optional Label Dispenser**

The M-5900RV uses the latest RISC processor technology to significantly improve throughput and imaging response time. The new M-5900RV is in a class by itself, it is not a thermal transfer printer with the ribbon mechanism removed, but designed from the start for industrial direct thermal applications.

Long Life Print Head - The M-5900RV incorporates a print head designed for long life direct thermal printing. Its warranty and life expecting are many times the typical industry standards. With a warranty of one year or two million linear inches and expected life of up to 4 million inches, print head replacement cost savings alone will more than pay for the printer when compared to other printers available.

Memory - The M-5900RV incorporates two PCMCIA memory expansion slots for maximum flexibility. You can add up to 4 MB of additional memory to store formats, fonts, and graphics, to extend the print area, or develop an unlimited library of PCMCIA cards to meet every need.

Interface Connections - Choose from one of SATO's standard Plug-In Interface Modules: Centronics Parallel or RS232 Serial. Also available, optional Plug-In Interface Modules for Universal Serial Bus (USB), Twinax/Coax, Ethernet (10/100BaseT) and RS422/485.

Bar Codes - 18 popular bar code symbologies including the new 2-D codes plus 12 proportional and mono space fonts are built into the M-5900RV making labels with minimum programming and fast data transfer. TrueType® fonts can be downloaded to an M-5900RV PCMCIA Memory Card to be used as internal fonts.

M-5900RV

Direct Thermal Printer

Specifications:

Printing Method:
Thermal Transfer/Direct Thermal

Print Resolution:
203 dpi (8 dots/mm)

Printing Speed:
up to 4.7" (120 mm) per second

Memory:
3 MB - Standard
4 MB - Optional PCMCIA

Processor:
32-BIT RISC

Max. Print Width:
4.4" (112 mm)

Max. Print Length:
14" (330 mm)

Media:
Roll or fan-fold die cut labels, plain direct thermal paper face stock, SATO standard or equivalent. Continuous stock using software control.
Max. Caliper: 0.01" (0.25 mm)
Max Roll Diameter: 6" (152 mm)
Wind: Face-In

Media Size:
Min: 0.98" (25 mm) W x 0.5" (12.7 mm) L
Max: 5.15" (131 mm) W x 49.2" (1249 mm) L

Sensing:
Transmissive sensor for die cut labels and tags. Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting of top forms.

Plug-In Interface Modules:
Choose among standard Interface Modules:
⇨ RS232 (up to 19.2k bps)
⇨ Centronics Parallel
or optional Interfaces Modules:
⇨ USB
⇨ Ethernet - 10/100BaseT
⇨ Twinax/Coax

Data Transmission:
ASCII

Accessory Port:
Print Control
14-pin Amp Connector

Bar Code Symbologies:
UPC-A, UPC-E, EAN-8, EAN-13, Code 39, Code 93, Code 128, Codabar, MSI, Bookland, Industrial 2/5, Interleaved 2/5, Matrix 2/5, Postnet, UCC/EAN 128, PDF417, Maxicode, Data Matrix

Bar Code Ratio:
2:1, 3:1, 5:2

Bar Code Height:
Programmable

Human Readable Fonts:
12 proportional and mono-spaced fonts including OCR-A and OCR-B representations and an outline font. American and European characters, uppercase and lower case with descenders (code table 850) Downloaded TrueType® fonts.

Flexibility:
360° rotation of bar codes and text; character expansion horizontally and vertically, RAM storage for special characters, dot-addressable graphics; sequential numbering. Form overlay for high speed editing of complex formats.

Graphic Support:
SATO Hex/binary format
.PCX format

Overall Dimensions:
10" W x 12.6" D x 10" H
(260 mm W x 320 mm D x 260 mm H)

Weight:
21 lbs (9.5 kg)

AC Power:
115V/220V (± 10%), 50/60 Hz (± 1%)
50 Watt Idling/130 Watt Operating

Environmental:
Operating: 41° to 104°F (5° to 40°C)
                  15-85% RH, non-condensing
Storage: -4° to 104°F (-20° to 40°C)
                  max. 90% RH, non-condensing
ESD Immunity: 8kV

Approvals:
CE, UL, CSA, TÜV

ISO 9001
ISO 9002

Options:
Label Cutter, Label Dispenser, Rewinder, PCMCIA Memory Expansion, Real Time Clock