



M-5900RV

Direct Thermal Printer



- **Heavy-Duty Industrial Construction**
- **High Reliability, Low Maintenance**
- **Long Life Print Head**
- **User Friendly Operation**
- **Plug-In I/F Modules:**
 - ⇒ **Parallel**
 - ⇒ **Serial**
 - ⇒ **USB**
 - ⇒ **Ethernet** - 10/100BaseT
 - ⇒ **Twinax/Coax**
- **EXT Auxillary Interface Connector**
- **Compatible With**
 - ⇒ **M-5900**
- **Optional:**
 - ⇒ **Label Cutter**
 - ⇒ **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 expectancy 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 to develop an unlimited library of PCMCIA cards.

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-5900 RV

Specifications:

- Printing Method:** Direct Thermal
- Print Resolution:** 203 dpi (8 dots/mm)
- Printing Speed:** Up to 4.7" (120 mm) per second
- Max. Print Width:** 4.4" (112 mm)
- Max. Print Length:** 14" (330 mm)
- Media Size:** Min: 0.98" (25 mm) W x 0.5" (12.7 mm) L
Max: 5.15" (128 mm) W x 49.2" (1249 mm) L
- Overall Dimension:** 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)



Memory:

- 3 MB - Standard with RAM storage for special characters
- 4 MB - Optional PCMCIA

Processor:

32-BIT RISC

Media:

Roll or fan-fold die cut labels, plain paper face stock and synthetics. Tag stock with punched feed slot for "see through" sensing. Continuous stock using software control.

- Max. Caliper: 0.01" (0.25 mm)
- Max Roll Diameter: 6" (152 mm)
- Wind: Face-In

Sensing:

Adjustable position 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:

- Standard Interface Modules:
- ⇒ Serial - RS232 (up to 19.2k bps)
 - ⇒ Centronics Parallel
 - ⇒ USB
- Optional Interfaces Modules:
- ⇒ Ethernet - 10/100BaseT
 - ⇒ Twinax/Coax
 - ⇒ RS422/485

Accessory Port:

- Print Control
- 14-pin Amp Connector

Bar Code Symbolologies:

Elementary: 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

Two-Dimensional: PDF417, Maxicode, Data Matrix

Bar Code Ratio:

2:1, 3:1, 5:2

Bar Code Height:

Programmable

Human Readable Fonts:

12 proportional, mono-spaced and outline fonts (code table 850) plus downloaded TrueType® fonts.

Flexibility:

360° rotation of bar codes and text, character expansion horizontally and vertically, sequential numbering, form overlay for high-speed editing of complex formats.

Graphic Support:

SATO Hex/binary
.PCX format

AC Power:

115V/220V (± 10%), 50/60 Hz (± 1%)
50 Watt Idling/300 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: 8kV

Approvals:

CE, UL, CSA, TÜV

ISO 9001
ISO 9002

Options:

- ⇒ Label Cutter
- ⇒ Label Dispenser
- ⇒ Real Time Clock
- ⇒ Memory Expansion
- ⇒ Rewinder



SATO America, Inc.

Phone: (408) 745-1300

www.satoamerica.com

e.mail: satosales@satoamerica.com

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