SG112-ex

Print large-format labels at top speed

**KEY FEATURES AND BENEFITS**

- 10.5-inch print width for high-resolution large format printing
- Fast and consistent throughput; print speeds up to 6 inches per second
- Increase productivity with multiple labels printed simultaneously
- Automatic label loading
- Intuitive multi-language display
- Flexible connectivity with multiple standard interfaces
- Durable and robust design
GENERAL SPECIFICATIONS / SG112-ex

### PRINT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Resolution</td>
<td>305 dpi (12 dots/mm)</td>
</tr>
<tr>
<td>Print Speed</td>
<td>3, 4, 5, 6 ips (75, 100, 125, 150 mm/sec)</td>
</tr>
<tr>
<td>Print Area</td>
<td></td>
</tr>
<tr>
<td>Max Width</td>
<td>10.5&quot; (266.7 mm)</td>
</tr>
<tr>
<td>Max Length</td>
<td>16.5&quot; (420 mm)</td>
</tr>
<tr>
<td>Media Size (with liner)</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>Continuous / Tear Off / Tray / Cutter</td>
</tr>
<tr>
<td></td>
<td>5.2&quot; : 11.8&quot; (131 - 300 mm)</td>
</tr>
<tr>
<td></td>
<td>Continuous</td>
</tr>
<tr>
<td></td>
<td>0.35&quot; - 98.43&quot; (9 - 2500 mm)</td>
</tr>
<tr>
<td></td>
<td>Tear Off</td>
</tr>
<tr>
<td></td>
<td>0.79&quot; - 98.43&quot; (20 - 2500 mm)</td>
</tr>
<tr>
<td></td>
<td>Tray</td>
</tr>
<tr>
<td></td>
<td>1.7&quot; - 4.7&quot; (43 - 120 mm)</td>
</tr>
<tr>
<td></td>
<td>Cutter</td>
</tr>
<tr>
<td></td>
<td>1.7&quot; - 16.7&quot; (43 - 423 mm)</td>
</tr>
</tbody>
</table>

### PRINTING SPECIFICATIONS

- **Method**: Thermal Transfer and Direct Thermal
- **Mode**: Continuous, Tear-off, Cut & Print (cutter model)

### MEDIA SPECIFICATIONS

- **Sensor Type**: i-Mark Sensor (Reflective) / Label Gap Sensor (Transmissive)
- **Media Type**: Roll or fan-fold die cut labels
- **Thickness (Label & Liner)**: 0.0031" - 0.0106" (0.08 - 0.27 mm)
- **Roll Diameter**: Maximum 8" OD (200 mm) on 3" (76 mm) core
- **Wind**: Face-in / Face-out
- **Ribbon**
  - **Length / Diameter**: Maximum 984.25 ft. (300 m) / Maximum 2.76" OD (70.0 mm)
  - **Width**: 5.7" - 10.7" (145 - 273 mm)
  - **Core Diameter**: 1.01" ID (25.6 mm)
  - **Wind Direction**: Face-in

### CONNECTIVITY

- **USB 2.0 (Type A & B)**, LAN, RS-232C, IEEE1284, EXT, SD Card Slot, USB Type A
- **MEMORY & PROCESSING**
  - **CPU Type**: 32bit RISC-CPU 250MHz
  - **On-Board Memory**: Flash ROM: Standard Memory Size 40MB User area 4.5 MB SDRAM: Standard Memory Size 64MB
- **USER FRIENDLY SUPPORT TOOLS**
  - **Large Status LED**: POWER (Green/Orange), ONLINE (Green), STATUS (Green/Red), LABEL (Red), RIBBON (Red).
  - **Audible Alerts**: Adjustable volume setting
  - **Self Diagnosis**: Head Open, Ribbon Open, Cutter-cover Open
  - **Display Panel**: 3.3" LCD display with three color LED (green, orange, red) and brightness adjustment
- **Operation Buttons**: LINE, FEED, FUNCTION, ENTER, CANCEL
- **Print Setting Tool**: SATO-All-In-One-Tool
- **Multi-national Language Support**: English, Chinese, and Japanese display language options

### BARCODE SYMBOLOGIES

- **Barcodes**: Linear
- **2D Symbologies**: QR Code (including Micro QR), PDF417 (including MicroPDF), MAXICode (Ver.3.0), GS1 DataMatrix (ECC200 Ver.2.0)

### OPERATING CHARACTERISTICS

- **Electrical Requirements**: AC100 V ~ 240 V ±10% (full range) / at 50/60 Hz.
- **Environment**: Operating: 41 to 104°F (5 - 40°C), 30 - 80% RH (without condensation)
  - **Storage**: 23 to 140°F (-5 to 60°C), 30 - 90% RH (without condensation)

### PHYSICAL CHARACTERISTICS

- **Dimensions**: 18.70" W x 12.34" L x 12.57" H (475 mm x 313.4 mm x 319.2 mm) - 20.30" H (515.5 mm) with cover open.
- **Weight**: Standard Model (Media/Ribbon excluded): Approx. 44.1 lbs. (20.0 Kg)
  - **Cutter Model (Media/Ribbon excluded)**: Approx. 51 lbs. (23.1 Kg)

### MISCELLANEOUS

- **SNMP enabled, SBPL Command Error Mode, Maintenance notifications, Error indicators, Data save mode**

*Available in standard model and cutter model*