



# SG112-ex

Print large-format labels at top speed

## Applications



## 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

PRODUCT SPECIFICATIONS			
<b>Print Resolution</b>		305 dpi (12 dots/mm)	
<b>Print Speed</b>		3, 4, 5, 6 ips (75, 100, 125, 150 mm/sec)	
<b>Print Area</b>	<b>Max Width</b>	10.5" (266.7 mm)	
	<b>Max Length</b>	16.5" (420 mm)	
<b>Media Size (with liner)</b>	<b>Width</b>	<b>Continuous / Tear Off / Tray / Cutter</b>	5.2" - 11.8" (131 - 300 mm)
		<b>Continuous</b>	0.35" - 98.43" (9 - 2500 mm)
	<b>Tear Off</b>	0.79" - 98.43" (20 - 2500 mm)	
	<b>Tray</b>	1.7" - 4.7" (43 - 120 mm)	
	<b>Cutter</b>	1.7" - 16.7" (43 - 423 mm)	

## 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

### Media

#### Thickness (Label & Liner)

0.0031" - 0.0106" (0.08 - 0.27 mm)

\*Use media 0.0047" (0.12 mm) or greater in thickness for Auto Feed mode

\*Use media 0.0083" (0.21 mm) or lesser in thickness for Cutter option

#### 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

### SATO Genuine Consumables

For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables

## FONT SPECIFICATIONS

### Internal Fonts

22 Bitmap Fonts, 8 Scalable Fonts, Multi-language display and printing of Asian fonts

## 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 Downloadable Fonts, Graphics or Format

Maximum 100 MB

## 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 Arrow buttons

### Print Setting Tool

SATO-All-In-One-Tool

### Multi-national Language Support

English, Chinese, and Japanese display language options

## OPTIONS

RTC (Calendar) Kit, Catch Tray, Unwind Unit.

## BARCODE SYBLOGIES

### Barcodes

#### Linear

UPC-A, UPC-E, JAN/EAN, CODE39, CODE93, CODE128, GS1-128(UCC/EAN128), ISBT128, CODABAR(NW-7), ITF, Industrial 2of5, Matrix 2of5, MSI, POSTNET, BOOKLAND, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked, Intelligent Mail Barcode (IMb). \*GS1 DataBar was formerly called RSS.E

#### 2D Symbolgies

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.

### Standards & Agency Approvals

FCC Part 15 Subpart B Class A/ICES-003 Class A, CE(EN55032, EN55024), CCC(GB/T9254-2008, GB17625.1-2012) BSMI(CNS13438), UL 60950-1/CSA C22.2 No.60950-1, CE, Nemko-GS EN60950-1, CCC(GB4943.1-2011), BSMI(CNS14336-1), BIS(IS 13252).

### 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.  
6.46" (164 mm): Media exit area.  
3.35" (85.1 mm): Tray - Cutter Model Only.

### 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



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