



# 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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## LABEL MANUFACTURING, SERVICE & SALES

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CANADA CARIBBEAN

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