SG112-ex

Print large-format labels at top speed

Applications

Manufacturing

Transport & Logistics

Automotive

Chemical

Retail

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

Print Resolution		305 dpi (12 dots/mm)	
Print Speed		3, 4, 5, 6 ips (75, 100, 125, 150 mm/sec)	
Print Area	Max Width	10.5" (266.7 mm)	
	Max Length	16.5" (420 mm)	
Media Size (with liner)	Width	Continuous / Tear Off / Tray / Cutter	5.15" (131mm) - 11.8" (300mm)
	Length	Continuous	1.29" (33mm) - 16.65" (423mm)
		Tear Off	1.69" (43mm) - 16.65" (423mm)
		Tray	1.69" (43mm) - 4.72" (120mm))
		Cutter	1.69" (43mm) - 16.65" (423mm)

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 SYMBOLOGIES

Barcodes

Linear

UPC-A, UPC-E, JAN/EAN, CODE39CODE93, 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 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.

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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