Widen your horizons in labelling.



SG112-ex

Print large format labels at top speed

Applications

- Manufacturing
- Transport & Logistics
- Automotive
- Chemical

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SG112-ex Technical Specification*

PRINTING SPECIFICATION			SG112-ex
Printing Method			Thermal Transfer and Direct Thermal.
Resolution			12 dots/mm (305 dpi).
Print Mode		Standard Model	Continuous, Tear-off.
		Cutter Model	Continuous, Tear-off, Cutter, Cut & Print.
Max. Print Area		Width / Length, mm (inch)	266.7 mm (10,5") / 420 mm (16.5").
Media Aligment			Centered.
Print Speed			75, 100, 125, 150 mm/sec (3, 4, 5, 6).
CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)			
Media Sensor type			I-Mark Sensor (Reflective) / Label Gap Sensor (Transmissive).
Media Thickness (Label + Liner)			80 - 270µm (0.08 - 0.27mm) *Use media 120µm (0.12mm) or greater in thickness for Auto Feed mode *Use media 210µm (0.21mm) or lesser in thickness for Cutter option
Media Type			Roll or fan-fold die cut labels.
Roll Shape			Diameter maximum 200mm (8") on 76mm (3") internal core.
Label Wind Direction			Face-in / Face-out.
Ribbon	Width		145 ~ 273mm (5.7" to 10.7").
	Length / Diameter		300m (984.25ft.) maximum / Ø 70.0mm maximum.
	Core Diameter		Inside Diameter : Ø 25.6mm.
	Wind Direction		Face-in.
Label Size	Continuous	Width	128 ~ 297 mm (including liner 131 ~ 300 mm) / 5.0" ~ 11.7" (including liner 5.2" ~ 11.8").
		Length	30 ~ 420 mm (including liner 33 ~ 423 mm) / 1.2" ~ 16.5" (including liner 1.2" ~16.6").
	Tear Off	Width	128 ~ 297 mm (including liner 131 ~ 300 mm) / 5.0" ~ 11.7" (including liner 5.2" ~ 11.8").
		Length	40 ~ 420 mm (including liner 43 ~ 423 mm) / 1.6" ~ 16.5" (including liner 1.7" ~ 16.7").
	Tray (Cutter Model Only)	Width	128 ~ 297 mm (including liner 131 ~ 300 mm) / 5.0" ~ 11.7" (including liner 5.2" ~ 11.8").
		Length	40 ~ 117 mm (including liner 43 ~ 120 mm) / 1.6" ~ 4.6" (including liner 1.7" ~ 4.7").
	Cutter (Cutter Model Only)	Width	128 ~ 297 mm (including liner 131 ~ 300 mm) / 5.0" ~ 11.7" (including liner 5.2" ~ 11.8").
		Length	40 ~ 420 mm (including liner 43 ~ 423 mm) / 1.6" ~ 16.5" (including liner 1.7" ~ 16.7").
SYMBOLOGIES			
Linear Barcode			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.
2D Code			QR Code (including Micro QR) PDF417 (including MicroPDF) MAXICode(Ver.3.0) GS1 DataMatrix(ECC200 Ver.2.0).
ELECTRICAL SPECIFICATION (Interface Characteristics)			
Interfaces		USB (Type A & B)	2.0 High Speed *Type A implemented in front of printer.
		LAN	10BASE-T/100BASE-TX auto-switching Protocol TCP/IP : LPR, FTP, TELNET, SNMP, SNTP, IPv4 / IPv6.
		RS-232C	DSUB 9 pin.
		IEEE1284	Amphenol 36 pin.
		EXT	Amphenol 14 pin dedicated connector.
		SD Card Slot	1 slot.
		USB Type A	2.0 High Speed type A connector.
On-Board Memory		(Flash ROM):	Standard Memory Size 40 MB User area 4.5 MB.
		(SDRAM):	Standard Memory Size 64MB.
CPU Type			32bit RISC-CPU 250MHz.
LCD Specifications			Graphic LCD (Horizontal 128 dots x Vertical 64 dots) with backlight (White/Orange switchable), Displayed languages: English, Simplified Chinese, Japanese.
LED Specifications			POWER(Green/Orange), ONLINE(Green), STATUS(Green/Red), LABEL(Red), RIBBON(Red).
OPERATING CHARACTERISTICS			
Power Supply		Input Voltage / Frequency	AC100 V ~ 240 V ±10% (full range) / at 50/60 Hz.
Size			W475mm x D313.4mm x H319.2mm (H515.5 mm with cover open). 164mm: Media exit area. 85.1mm: Tray (Cutter Model Only).
Weight		Standard Model	Approx. 20.0Kg / 44.1 lbs. (Media/Ribbon excluded).
		Cutter Model	Approx. 23.1Kg / 51 lbs. (Media/Ribbon excluded).
Temperature		Operating Environment	5 ~ 40°C (Non-condensing).
		Storage Environment	-5 ~ 60°C (Non-condensing).
Humidity		Operating Environment	30 ~ 80% RH (Non-condensing).
		Storage Environment	30 ~ 90% RH (Non-condensing).
MISCELLANEOUS			
Operation Buttons			LINE, FEED, FUNCTION, ENTER, CANCEL Arrow buttons.
Print Setting Tool			SATO-All-In-One-Tool.
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).
Self-diagnostic Function			Head breakage check, Label end detection, Ribbon end detection, Ribbon near end detection (Less than 15m), Cutter error (when cutter unit is installed).
OPTIONS			
Accessories			RTC (Calendar) kit Simple stacker (ST-10PLUS), External feed module (UW-10PLUS).

*Available in standard model and cutter model

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