

Widen your horizons in labelling.



SG112-ex

Print large format labels at top speed

Applications



Manufacturing



Transport & Logistics



Automotive



Chemical

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)	266.7mm (10.5") / 420mm (16.5")
Media Alignment		Centered
Print Speed		75, 100, 125, 150 mm/sec (3, 4, 5, 6 ips) Default: 100 mm/sec (4 ips)
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
Label Size	Continuous	Width 128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length 30 - 420mm (including liner 33 - 423mm) / 1.2" - 16.5" (including liner 1.2" - 16.6")
	Tear-off	Width 128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length 40 - 420mm (including liner 43 - 423mm) / 1.6" - 16.5" (including liner 1.7" - 16.7")
	Tray (Cutter Model Only)	Width 128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length 40 - 117mm (including liner 43 - 120mm) / 1.6" - 4.6" (including liner 1.7" - 4.7")
	Cutter (Cutter Model Only)	Width 128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length 40 - 420mm (including liner 43 - 423mm) / 1.6" - 16.5" (including liner 1.7" - 16.7")
Ribbon	Width	145 - 273mm (5.7" - 10.7")
	Length / Diameter	300m (984.25ft.) maximum / Ø 70.0mm maximum
	Core Diameter	Inside Diameter : Ø 25.6mm
	Wind Direction	Face-in
SYMBOLOGIES		
Linear Barcode		UPC-A, UPC-E, JAN/EAN, CODE 39, CODE 93, CODE 128, 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), MAXI Code (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
On-Board Memory	Flash ROM	Standard Memory Size 40MB User Area 4.5MB
	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	AC100V ~ 240V ±10% (full range) / at 50/60Hz
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 / 44.1lbs. (Media/Ribbon excluded)
	Cutter Model	Approx. 23.1kg / 51lbs. (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
Printer 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 Unwinder (UW-10PLUS)

Version: Oct 2019 Rev. A

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