

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 Alignment | | Centered. | |
| Print Speed | | 75, 100, 125, 150 mm/sec (3, 4, 5). | |
| 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"). |
| SYBBOLOGIES | | | |
| Linear Barcode | | 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. | |
| 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, SNTIP, 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) kitm Simple stacker (ST-10PLUS), External feed module (UW-10PLUS). | |

*Available in standard model and cutter model



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