Ceaseless Creativity for a Sustainable World



HR2

HIGH PRECISION & HIGH RESOLUTION PRINTING

FEATURES

- High Precision Printing
- High Resolution Printing
- Industrial Space-Saving Design
- Integrated Dispenser with Internal Liner Rewinder
- Easy Media Loading
- Multiple Communication Interfaces

APPLICATIONS

- Mobile Phone and Laptop Batteries Labelling
- Electronic Components and Circuit Boards (PCB) Labelling
- Cosmetics and Small Bottles Labelling
- Serial Numbered Nameplates

TECHNICAL INFORMATION

HR212/HR224

PRINTING SPECIFICATION			HR212	HR224
Printing Method			Thermal Transfer	
Print Resolution			12 dots / mm (305 dpi)	24 dots / mm (609 dpi)
Max. Print Speed			25 to 100mm/sec (1 to 4ips)	
Max. Print Area	Width, mm (inch)		56mm (2.2")	
	Length, mm (inch)		200mm (7.9")	
Processor			32bit RISC	
Printer Memory			Main memory (Flash ROM): 32MB, SDRAM: 16MB, SD card (Up to 2GB)	

CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)			
Sensor Type			I-Mark Sensor (Reflective), Label Gap Sensor (Transmissive)
Media Type			Roll type
Media Thickness			0.130 - 0.220mm (0.005" to 0.008")
Label Shape	Diameter		Max. outside diameter: Ø 185mm (7.3"), Core diameter: Ø 76.4mm (3.0")
	Wind Direction		Face-out
Label Size	Continuous	Width	7 to 58mm (0.3" to 2.3"), Including liner : 10 to 61mm (0.4" to 2.4")
		Length	3 to 197mm (0.1" to 7.7"), Including liner : 6 to 200mm (0.2" to 7.8")
	Tear-Off	Width	7 to 58mm (0.3" to 2.3"), Including liner : 10 to 61mm (0.4" to 2.4")
		Length	3 to 197mm (0.1" to 7.7"), Including liner : 6 to 200mm (0.2" to 7.8")
	Dispenser	Width	7 to 58mm (0.3" to 2.3"), Including liner : 10 to 61mm (0.4" to 2.4")
		Length	3 to 197mm (0.1" to 7.7"), Including liner : 6 to 200mm (0.2" to 7.8")
Ribbon	Size		Max. outer diameter φ51mm (2.0"), Max. Length 150m (492.1ft), Ribbon width : 39.5mm (1.55"), 45mm (1.77"), 59mm (2.32"), 65mm (2.55"),
	Other		Wind direction : Face-in, Core Diameter: 25,4mm (1.0")

FONTS / SYMBOLOGIES		
Internal Fonts	Standard Bitmap	U (5x9 dot), S (8x15 dot), M (13x20 dot)
	TTF Fonts	CG Times; CG Triumvirate
Barcode	1D Barcode	UPC-A/E, JAN/EAN-8/13, Code 39, Code 93, Code 128, GS1-128 (UCC/EAN128), Codabar (NW–7), Interleaved 2 of 5, Matrix 2 of 5, GS1 DataBar (RSS14)
	2D Barcode	QR code (Ver8.1), MicroQR, PDF417 (Ver2.4), MicroPDF, MAXI code (Ver3.0), DataMatrix (ECC200), Security QR code
Print Direction	Character Data / Barcode	Character data rotation: 0º, 90º, 180º, 270º Barcode rotation: 0º, 90º, 180º, 270º

INTERFACE CHARACTERISTICS AND INTEGRATION		
Interfaces	RS232	RS232C Standard (XON/XOFF, RTS/CTS)
	USB	USB Device type B connector 2.0 High Speed
	LAN	Ethernet 10/100 Mbps / DHCP, TCP/IP
	EXT	Amphenol D-Sub14pin female
Supported printer protocols		Standard: SBPL (Ver 4.2) SATO Barcode Printer Language.

OPERATING CHARACTERISTICS		
Power Requirements		AC100V ~ AC240V±10%
Dimensions		197mm (7.75") x 365mm (14.37") x 285mm (11.22")
Weight		16.4Kg (36.16 lbs.)
Environment	Operating	0 – 40 ºC (32 to 104 F) / 10 – 80 % RH (without condensation)
	Storage	-5 – 60 ºC (23 to 140 F) / 10 – 90 % RH (without condensation)

MISCELLANEOUS	
Certifications	CE, CCC, ROHS compliant
Regulatory Approvals	Noise: Emission – EN55024
Functions – Useful features	Status return function, Sequential number function, Black/white inversion function, Format registration function
Functions – Self Diagnosis Checking	Thermal head check, Paper end detection, Ribbon end detection, Cover open detection, Test print, Re-winder full detection, Head Lift detection

OPTIONS	
Accessories	SD Card, NiceLabel

SATO makes no guarantee that the above features are available in all models, and specifications are liable to change, without notice. version 09/13.