



HR2 SERIES

High Precision & High Resolution Printing

Applications

HR2 Series - Features



High Precision Printing

Specifically designed for applications that need to print on small labels measuring only 3mm(P) x 7mm(W) within a high precision printing of ±0.3mm.*

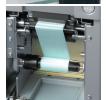


Capable of printing high resolution barcodes and images on small labels at 305dpi or 609dpi resolution.



Industrial Space-Saving Design

The printer heavy-duty metallic construction is designed for the most demanding industrial environments that have limitations on space.



Integrated Dispenser with Internal Liner Rewinder

The printer integrated dispenser provides the ability to automatically dispense small labels without the liner for easy application after printing while internally rewinding the backing material from the dispensed labels.



Easy Media Loading

Easy loading of labels and ribbons as the top cover is uniquely designed to open upwards for providing easy access to the media compartment.



Multiple Communication Interfaces

Multiple standard communication interfaces - LAN, USB, RS-232C and EXT Port, ensuring easy-integration to a wide variety of applications.



Mobile Phone and Laptop Batteries Labelling



Electronic Components and Circuit Boards (PCB) Labelling



Cosmetics and Small Bottles Labelling



Serial Numbered Nameplates

BASE UNIT MODEL Z123A SERIAL 12345678900003-A 57DC 0.13A SATO CORPORATION . IAPAN

^{*} Using the Gap sensor and SATO precise measurement (±0.2mm tolerance) labels.

PRINTER SPECIFICATIONS

REGULATORY COMPLIANCE

CE, CCC

Model: HR212 / HR224

PHYSICAL CHARA	CTERISTICS							
Physical Dimension			Height 285mm (11.22")		Depth 365mm (14.37")		Weight 16.4kg (36.16 lbs.)	
PROCESSING			, , , , , , , , , , , , , , , , , , ,				rreigne for mg (corre ison)	
32 Bit RISC-CPU	Flash F	ROM: 32 Megabytes	SDRAM: 16 Megabytes		External memory: SD card (l		(Up to 2GB)	
POWER SUPPLY	1 10011 1	.om of mogasytes	0218	egazy tee		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(0) 10 202)	
HR212 At peak: 95W / 95VA (Print ratio 30%), In standby: 26W / 27VA								
HR224		k: 115W / 115VA (Print ratio 30%), In standby: 26W / 27VA						
ENVIRONMENTAL (EXCLUDING MEDIA)								
	`		0° to 40°C (32 to 104 F), 10 to 80% RH, Non-condensing					
Operating Temperature/Humidity								
Storage Temperature/Humidity -5° to 60°C (23 to 140 F), 10 to 90% RH, Non-condensing								
PRINT		Thermal Transfer						
Method Print Speed (calcatable)		25 to 100 mm/sec (1 to 4 ips) Note: Setting value: 12.5 mm/sec (0.5 ips) increments. Print speed varies depending on the media used.						
Print Speed (selectable)						5 mm/sec (0.5 ips) increments. Print speed varies depending on the media used. HR224: 24 dots/mm (609 dpi)		
Resolution		HR212: 12 dots/mm (305 dpi)			1111224. 24 40(5/11111 (003 apt)			
Max. Print Area W 56 mm (2.2") x P 200 mm (7.9")								
Precision of print start position Dispenser mode [GAP sensor] Within ±0.3 mm (0.012") [I-Mark sensor] Within ±1.5 mm (0.059") Width direction: Within ±0.3 mm (0.012")								
			-	-			n: Within ±0.3 mm (0.012")	
				-] Within ±1.0 mm (0.039") Width direction: Within ±0.3 mm (0.012")			
Tear-off mode [GAP sensor] Within ±0.5 mm (0.019") [I-Mark sensor] Within ±1.5 mm (0.059") Width direction: Within ±0.3 mm (0.012")								
sensor will provide better	print start position accu		ne I-Mark sensor. *Th	ne print accuracy abo			8") tolerance is required. *Using the Gap ins and it does not include label assem-	
MEDIA (Label)								
Size	Pitch: 3 to 197	mm (0.1" to 7.7")	ım (0.1" to 7.7") Pitch including liner: 6 to 200 mm (0.2"" to 7.8")					
		mm (0.3" to 2.3")	Width including liner: 10 to 61 mm (0.4" to 2.4")					
The above sizes are structurally possible and some restrictions may apply depending on paper types and environment usage.							onment usage.	
Make sure to check the paper size and corresponding print mode before operation.								
Туре	Thermal Transf	er		Roll Diameter		(Max. outer diameter) 185 mm (7.3")		
Core Diameter	Inner core dian	neter 76.4 mm (3.0")		Label Thickness		0.13 to 0.220 mm (0.005" to 0.008")		
Wind Direction	Face-Out							
RIBBON								
Dimension	Width Max. 65 mm (2.55") Length Max. 150 m (492.1ft.) Wine					nd Direction: Fac	ce-In	
Winding Method	Wind on roll (Roll inner diameter: 1")							
Roll outer diameter	Max. 51 mm (2.0")							
CHARACTER FONT CAPABILITIES								
Bitmap Fonts X20, X21, X22, X23, X24, U font, S font, M font, WB font, WL font, OCR-A, OCR-B								
Rasterized Fonts								
Outline Fonts								
BARCODE CAPABILITIES								
1D Barcodes								
(Character set: Set-A, Set-B, Set-C), CODABAR (NW-7), ITF, Industrial 2of 5, Matrix 2 of 5, Customer barco							mer barcode. UPC add-on	
		barcode, GS1 Databar (RSS), Composite Symbols.						
2D Barcodes QR code, MicroQR, PDF417, MicroPDF, MAXI code, GSI DataMatrix (ECC200), Security QR code								
INTERFACES								
Interface USB 2.0, LAN (10BASE-T/100BASE-TX Auto detection), RS-232C (DSUB9 pin-female), EXT Port (Amphenol 14 pin-female),								
SD card slot (1 slot)								
LANGUAGE								
Standard SATO Barcode Printer Language (SBPL)								
SENSING								
Sensors Gap (Transmissive),I-Mark (Reflective), Cover Open, Dispense,Ribbon End, Rewinder Full,Head Lift.								
DECLIFIANCE								

For more information about SATO in the region, visit www.satoasiapacific.com or simply scan the QR code below:

OPTIONS

SD card

