



## TG3 Series

High Performance Printer  
for the Retail Industry

## Features

- Supports Tags up to 0.33 mm thick
- High Print Speed of 10 ips
- Large LCD Display
- Prints Brand Names and Logos
- Automated Print-Cut-Stack
- Function
- RFID Ready

## Applications

- Product Markdown
- Product and Price Labelling
- Swing Ticket Labelling

# TG3 Technical Specification

Printer Specification		TG308	TG312
Printing Method		Direct Thermal and Thermal Transfer	
Print Resolution, dots/mm (dpi)		8 dots/mm (203dpi)	12 dots/mm (305dpi)
Max. Print Area	Width, mm (inch)	80mm (3.15")	
	Length, mm (inch)	240mm (9.45")	
Print Speed, mm/sec (ips)		Up to 250mm/sec (10ips)	
CPU		32 bit RISC	
Printer Body Memory		Flash ROM: 8MB	
<b>Consumables Specification (Recommended to use printer supplies manufactured or certified by SATO)</b>			
Sensor Type		I-Mark Sensor (Reflective), label Gap Sensor (Transmissive), side-hole sensor, notch sensor, jump-hole sensor	
Media Type		Roll die cut labels, Plain paper face stock, Synthetics, Continuous stock and Tags	
Media Thickness	Label	0.14 – 0.265mm (0.0055" – 0.01")	
	Tag	0.157 – 0.33mm (0.0061" – 0.013")	
Label Shape	Diameter	Max. outside diameter: Ø 254mm (10"), Core diameter: Ø 76.2mm (3") or Ø 101.6mm (4")	
	Wind Direction	Face-in	
Label Size	Continuous	Width	22 – 80mm (0.87" – 3.15")
		Length	16 – 237mm (0.63" – 9.33")
	Cutter	Width	22 – 80mm (0.87" – 3.15")
		Length	22 – 237mm (0.87" – 9.33")
Tag Size	Continuous	Width	32 – 83mm (1.26" – 3.27")
		Length	25 – 240mm (0.98" – 9.45")
	Cutter	Width	32 – 83mm (1.26" – 3.27")
		Length	25 – 240mm (0.98" – 9.45")
Ribbon	Size	Width: 39.5mm (1.56") to 84mm (3.31"), Max. Length: 450m (1476')	
	Core Diameter	Ø 25.4mm (1")	
	Wind Direction	Face-in/out	
<b>Fonts / Symbologies</b>			
Fonts	Standard Fonts	Bitmap Fonts Alphanumerical and Symbol: WB (18x30 dot), WL (28x52 dot), XU (5x9 dot), XS (17x17 dot), XM (24x24 dot), XB (48x48 dot), XL (48x48 dot), OCR-A (15x22 dot), OCR-A (22x23 dot), OCR-B (20x24 dot), OCR-B (30x36 dot)	
	Rasterized Fonts	CG Times, CG Triumvirate	
Barcode	1D Barcode	UPC-A/E, JAN/EAN-8/13, Code 39, Code 128, GS1-128 (UCC /EAN128), Codabar (NW-7), Interleaved 2 of 5, Bookland (2/5 char add-on code), GS1 Databar (RSS14), Composite JAN/EAN-8/13; Composite UPC A/E; Composite GS1 128/CC	
	2D Barcode	PDF417 (Ver2.4), MAXI Code (Ver3.0), QR Code, GS1 Data Matrix (ECC200)	
Print Rotation	Character Data / Barcode	0°, 90°, 180°, 270°	
<b>Communication Interface</b>			
Optional Plug-in Interface		IEEE1284, Centronics parallel, RS232C (2400-19,200 Baud), RS232C highspeed (9,600-57,600 baud), USB (12Mbit/s), LAN (TCP/IP protocol 10/100BaseT), Wireless LAN 802.11b/g	
Standard		External I/O Port, Serial Port for Keypad	
Command		SBPL	
<b>Operating Characteristics</b>			
Power Requirements		Input voltage AC100-240V (auto switching)/132W (peak)	
Consumption Voltage		At Peak: 132W, On Standby: 20W	
Environment	Operating	5 – 40°C / 30 – 80% RH (without condensation)	
	Storage	-5 – 60°C / 30 – 90% RH (without condensation)	
Dimension		(W x D x H): 284 x 552 x 300mm (11.2" x 21.7" x 11.8")	
Weight		16.2 kg (35.7 lbs)	
<b>Miscellaneous</b>			
Certifications		FCC, UL, KCC, CSA, CCC, CE, ROHS compliant	
<b>Options</b>			
Accessories		Large Stacker, Label Rewinder, RFID Kit (UHF and HF), Ribbon Core Adaptor Kit, Keypad, Smart Keyboard, NiceLabel, Real-Time Clock	