

# FR-50 Thermal Printer



## Key Specifications

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- General Scanning's smallest and lightest printer to date
- Environmentally tight construction
- PC-Based development kit available to accelerate design cycle

**General Scanning is a leader in developing and producing thermal printers. Our products have been ISO 9001 certified since 1994 and are used widely by leading medical and laboratory instrument manufacturers.**

The new FR-50 printer is our latest printer from our next generation of cost-effective printer products. This versatile printer is significantly lighter and smaller than other 2-inch products currently available. We have reduced the depth of the FR-50 printer, while keeping the easy mounting construction of our 50 mm products. The new FR-50 accepts a roll of paper that is 50 mm (2 ¼") wide and up to 50 mm (2") in diameter with the same easy-load feature that is so popular among users. The FR-50 communicates through a serial interface at up to 921,600 bits per second. In recorder mode, it can print up to four simultaneous real-time wave forms along with background grid, text and graphics. The FR-50 is designed for easy integration into the host instrument to help reduce development costs and time-to-market. A complete development kit including software, paper, cables and manuals is available.

## Technical Specifications:



Product Specifications	
Interface Type:	Serial – Up to 921,600 bits/second
Input Voltage:	Print Supply +7.2 Vdc (nominal) Logic Supply +3.3 Vdc
Input Power:	10 W Typical 46 W Max.
Overall Dimensions:	81.8 mm W X 83.5 mm H X 61 mm D (3.220" W X 3.286" H X 2.403" D)
Weight:	.12 kg (.25 lbs)
Case Colors:	Light Gray or User-Defined
Paper Type:	Roll (50 mm Wide)
Paper Capacity:	30 meters (100 feet) 40 mm Diameter
Output	
Printing Method:	Direct Thermal
Print Resolution:	600 dots per 25 mm
Overlapping Traces:	4
Trace Options:	Scaling, Sample Rate, Offset, Appearance
Real Time Annotation:	20 Lines (Memory Dependent)
Text Mode:	Characters Can Rotate 90°, 180° or 270°
Fonts:	8 Point and 10 Point Fonts
Character Sets:	6 Sets Available
Chart Speed Range:	1 mm/sec – 50 mm/sec
Sensors & Protection	
Sensors:	Door Open, Paper Out, Print Head Temperature
Printhead Protection:	Pulse Width, voltage, Temperature Monitoring And Wear Equilizer
Static Protection:	Built-In Antistatic Devices

Specifications are subject to change. Consult GSI Group, General Scanning Printers for details.

## Contact Information

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