



61 mm D x 81.8 mm W x 83.5 mm H

## Features & Benefits:

- Industry's standard 50 mm architecture
- Environmentally tight construction
- Smallest and lightest printer to date
- Downloadable font option for multilingual applications
- PC-Based MR-50 development kit available to accelerate design cycle

## 50 mm Thermal Printer

JADAK's MR-50 printer is a cost-effective, versatile printer that is significantly lighter and smaller than other 2-inch products currently available. The depth of the MR-50 printer has been reduced, while keeping the easy mounting construction. It accepts a roll of paper that is 50 mm (2 V4") wide and up to 50 mm (2") in diameter with an easy-load feature.

Designed for easy integration into the host instrument for Original Equipment Manufacturer (OEM) products, the MR-50 reduces development costs and time to market. The complete development kit, including software, paper, cables, manuals and a PC interface board is available.

The MR-50 also has low power consumption, making it optimal for today's portable applications.

The MR-50 communicates through a serial interface (USB or Logic Level) at 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. It transitions seamlessly from printing patient information, graphics and waveforms to 1D/2D barcodes.

The MR-50 has 2 built-in font sizes and 6-character sets, and can rotate the characters 90°, 180°, or 270° with real-time annotation of 20 lines. It can print 1 to 4 traces while simultaneously printing a background grid.

The MR-50 boasts 200 dots per 25 mm resolution capable of printing images or logos.



Product Specifications	
Interface Type:	Serial – 921.6K 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:	0.12 kg (0.25 lbs. )
Case Colors:	Light Gray or User-Defined
Paper Type:	Roll (50 mm Wide)
Paper Capacity:	30 meters (100 feet) 50 mm Diameter )
Output	
Printing Method:	Direct Thermal
Print Resolution:	200 dots per 25 mm
Overlapping Traces:	1 - 4 Traces
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 Equalizer
Static Protection:	Built-In Antistatic Devices

Specifications are subject to change. Contact JADAK for details.

## ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

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