



73 mm D x 67 mm W x 80 mm H

Features & Benefits:

- Industry's standard 50 mm architecture
- Environmentally tight construction
- Downloadable font option for multilingual applications
- PC-Based XE-50 development kit available to accelerate design cycle

50 mm Thermal Printer

JADAK's XE-50 printer is a light, reliable, and cost-effective 50 mm printer. Its small size and easy mounting construction is designed for quick integration into the host instrument to help reduce development costs and time-to-market for Original Equipment Manufacturers (OEMs). The XE-50 accepts a 100-foot paper roll (50 mm diameter) with an easy-load feature. A complete development kit including software, paper, cables, manuals, and a PC interface board is available.

The XE-50 offers trending speeds down to 50 mm per hour and two font sizes. Other features include warning messages to notify the user of undesirable conditions, preventing error situations. In addition, the XE-50 printer allows less host processor overhead. It also boasts lower power consumption, making it optimal for today's portable applications.

The XE-50 transitions seamlessly from printing patient information, graphics, and waveforms, to 1D/2D barcodes. With 2 built-in font sizes and 6-character sets, it can rotate characters 90°, 180°, or 270° with real-time annotation of 20 lines.

The XE-50 communicates through a serial interface (USB or logic level) 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.

XE-50 identifies graphics up to 200 dots per 25 mm resolution in graphics mode and is capable of printing images for logos. It can record information and print 1 to 4 traces while simultaneously printing a background grid.



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Product Specifications	
Interface Type:	Serial – up to 921.6K bits/second
Input Voltage:	Print Supply +12 Vdc (nominal) Logic Supply +5 Vdc
Input Power:	8 W Typical 37 W Max.
Overall Dimensions:	67 mm W x 80 mm H x 73 mm D (2.64" W x 3.13" H x 2.88" D)
Weight:	0.195 kg (0.4 lbs.)
Case Colors:	Light Gray or User-Defined
Paper Type:	Roll (50 mm Wide)
Paper Capacity:	100 feet (50 mm Diameter)
Output	
Printing Method:	Direct Thermal
Print Resolution:	600 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:	7 Point and 10 Point Fonts
Character Sets:	6 Sets Available
Chart Speed Range:	50 mm/hr. - 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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