



EZ800 Thermistor 8-Channel Data Logger

EZ800 thermistor based data logger is the ideal solution for recording temperature in up to eight different locations simultaneously. Choose from a variety of different thermistor probes.

APPLICATIONS

Food process verification, pharmaceutical/laboratory area/rooms, oven monitoring, HVAC system testing and balancing, etc.

GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm (4.2" x 2.9" x 0.9")
Weight:	110 gm
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium
Resolution:	12-bit (1 part in 4096)
Mounting:	Magnetic backing or locking eyelet
Clock Accuracy:	± 2 seconds per day
Sampling Methods:	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40 C to 70 C and 0 to 95% RH (non-condensing)
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	TrendzLog® 1 (Compatible with Windows XP and Vista 32 bit)
Memory Size:	32 KB (capable of storing up to 21,500 readings)
	128 KB (capable of storing up to 87,000 readings)
	1.5 MB (capable of storing up to 1,048,000 readings)
Sampling Rates:	User selectable rates from 25 per second to once every eight hours (Note: battery pack or power supply required for sampling rates faster than eight seconds)
Number of Channels:	Eight (One for the internal temperature sensor and seven for remote sensing of temperature, resistance, or switch status.)



SENSOR SPECIFICATIONS

Internal Temperature Sensor

Type:	NTC Thermistor - 10,000 Ohm @ 25 C
Range:	-40°C to 70°C
Accuracy:	±0.2 C over the range of 0 C to 70 C
Resolution:	0.03 C @ 25 C; better than 0.07 C between -25 C and 70 C; better than 0.13 C between -40 C and -25 C

Thermistor Probes*

	Range
General Purpose Temperature Probe	-35°C to 95°C
Low Temperature Probe	-60°C to 55°C
Low Temperature Penetration Probe	-60°C to 55°C
High Temperature Probe	10°C to 170°C
Oven Temperature Probe	70°C to 255°C
Skin Surface Temperature Probe	20°C to 40°C
Pipe Surface Temperature Probe	-35°C to 95°C
Waterproof Temperature Probe	-40°C to 105°C

*For remote temperature measurements (external channels)

ORDERING INFORMATION

Model:	Memory:
EZ800-32	32 KB
EZ800-128	128 KB
EZ800-1.5	1.5 MB