



ez10

Two-Channel Temperature Data Logger

The ez10 device is a simple and easy-to-use data logger for monitoring and recording temperature. Quick and easy to set up, it works right out of the box, logging temperature readings from its internal, precision-calibrated temperature sensor. For added versatility, use the extra channel to record temperature (with an external thermistor probe), resistance or switch status.

APPLICATIONS

Food process verification, pharmaceutical storage, transportation of temperature-sensitive goods, equipment run time, HVAC system testing and balancing, etc.

GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm
Weight:	110 gm
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, 1 Amp-Hour
Resolution:	8-bit (1 part in 256)
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:	Compatible with Windows XP SP1 and Vista 32 bit
Memory Size:	32 KB (capable of storing up to 32,767 readings)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Two (one for the internal temperature sensor and one 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:	0.4°C @ 25°C; better than 1°C between -25°C and 70°C; Better than 2.0°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 channel)

