

JR-1001 Intrinsically Safe

Product Specifications

Type: Single-Channel Temperature Thermistor

GENERAL SPECIFICATIONS

Size:	33 mm x 43 mm x 20 mm (1.3" x 1.7" x 0.75")
Weight:	35 grams (1.23 ounces)
Case Material:	Polyurethane
Battery:	3.6 volt Lithium, 0.45 Amp-Hour
Resolution:	8-bit (1 part in 256)
Mounting:	Stand-alone or magnetic backing
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	First-in First-out, Stop When Full <i>(option to delay start, spot or average samples)</i>
Operating Limits:	-40 to 85°C (-40 to 185°F) and 0 to 95% RH (non-condensing)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2 MB RAM, and 10 MB hard drive disk space
Software Requirements:	TrendReader® Express <i>(compatible with Windows® 3.1, 95, 98, Me, 2000, NT and XP)</i>
Approval:	Intrinsically Safe for use in Class 1, Div 1, Groups A, B, C, D, Class II, Div 1, Groups E, F, G, Class III, Div 1 Hazardous

Memory Size:	32 KB <i>(capable of storing up to 244,800 data points when data compression is selected)</i>
Sampling Rates:	User selectable rates from 8 seconds to 34 minutes <i>(readings stored to memory can be spot or averaged over the sample interval, except for the 8-second interval)</i>
Number of Channels:	One <i>(one internal channel for ambient temperature)</i>

SENSOR SPECIFICATIONS

Temperature Sensor:	NTC Thermistor - 10,000 ohms @ 25°C (77°F)
Type:	-40 to 85°C (-40 to 185°F)
Range:	+/- 0.2°C over the range of 0 to 70°C (+/- 0.3°F over the range of 32 to 158°F)
Accuracy:	
Resolution:	0.4°C (0.7°F) @ 25°C; better than 1°C (1.8°F) between -25 and 70°C (-13°F and 158°F); better than 2.0°C (3.6°F) between -40 and -25°C (-40°F and -13°F)

The JR-1001 data logger is an Intrinsically Safe, simple and easy-to-use single-channel data logger. It is ideal for quick and accurate temperature recordings in a variety of applications.



WARRANTY

Internal Battery:	5 Years
Data Logger:	3 Years

APPLICATIONS

Flammable and explosive environments, military, oil & gas processing and transmission, pharmaceutical storage, laboratories, transportation of temperature sensitive goods.

Model#:	Cat#:
JR-1001	01-0193