JR-1001 Intrinsically Safe

Product Specifications

Type: *Single-Channel Temperature Thermistor*

GENERAL JR-1000 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, 0.95 amp-hour, guaranteed for 5 years
Resolution: 8-bit (1 part in 256)
Mounting: Stand-alone
Clock Accuracy: +/- 2 seconds per day
Sampling Methods: First-in First-out, Stop When Full, Delay Start, Data Compression, Spot & Average
Operating Limits: -40 to 85˚C (-40 to 185˚F)
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 (included) - Windows version 3.1, 95, 98, Me, 2000, XP or NT
Approval: UL 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 Locations T3C

Memory Size: 32 KB; capable of storing up to 244,800 data points (when data compression is selected)
Sampling Rates: User selectable rates from 8 seconds to 34 minutes
Number of Channels: One (one internal channel for ambient temperature)

SENSOR SPECIFICATIONS

Internal Temperature Sensor:
Type: NTC Thermistor - 10,000 ohms @ 25˚C (77˚F)
Range: -40 to 85˚C (-40 to 185˚F)
Resolution: 0.4˚C @ 25˚C (0.7˚F @ 7˚F)
Accuracy: +/- 0.2˚C @ 25˚C (+/- 0.3˚F @ 77˚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 enviroments, military, oil & gas processing and transmission, pharmaceutical storage, laboratories, transportation of temperature sensitive goods.

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