JR-1000

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:	Magnetic backing
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	First-in First-out, Stop When Full *(option to delay start, spot or average samples)*
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 *(compatible with Windows® 3.1, 95, 98, Me, 2000, NT and XP)*
Memory Size:	32 KB *(capable of storing up to 244,800 readings when data compression is selected)*
Sampling Rates:	User selectable rates from 8 seconds to 34 minutes *(readings stored to memory can be spot or averaged over the sample internval, except for the 8-second interval)*
Number of Channels:	One *(one internal channel for ambient temperature)*

SENSOR SPECIFICATIONS

Temperature Sensor:

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

The JR-1000 is the easiest to use temperature data logger available. With its precision calibrated internal temperature sensor, simply place the logger in the field and leave it to record. Once the desired information has been recorded, plug the logger into the serial port of your computer and begin downloading and viewing the logged data with ACR's TrendReader® Express software.



WARRANTY

Internal Battery:	**5 Years**
Data Logger:	**3 Years**

APPLICATIONS

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

Model#:	**Cat#:**
JR-1000	01-0192