

SmartReader 1

Product Specifications

Type: Two-Channel Temperature Thermistor

GENERAL SMARTREADER SPECIFICATIONS

Size:	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
Weight:	110 grams (3.75 ounces)
Case Material:	Noryl® plastic
Battery:	3.6 volt Lithium, guaranteed for ten years
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or lock eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40 to 70°C (-40 to 158°F) and 0 to 95% relative humidity (non-condensing)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2 MB of RAM memory, and 2 MB of hard disk space
Software Requirements:	TrendReader® Standard - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

Memory Size:	32KB; capable of storing 32,768 readings (Catalog#: 01-0024, SR-001)
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)

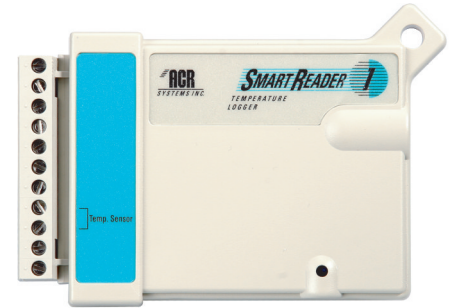
SENSOR SPECIFICATIONS

Internal Temperature Sensor:	-40 to 70°C (-40 to 158°F), NTC Thermistor
Accuracy:	+/- 0.2°C from 0 to 70°C; +/- 0.5°C from -40 to 0°C (+/-0.36°F from 32 to 158°F; +/-0.9°F from -40 to 32°F)

Optional thermistor temperature probes available for remote measurements:

- a) General Purpose Temperature Probe: -35 to 95°C (-30 to 200°F)
- b) Low Temperature Probe: -60 to 55°C (-75° to 130°F)
- c) High Temperature Probe: 10 to 170°C (50 to 335°F)
- d) Oven Temperature Probe: 70 to 255°C (155 to 490°F)
- e) Skin Surface Temperature Probe: 20 to 40°C (68 to 104°F)
- f) Pipe Surface Temperature Probe: -35 to 95°C (-30 to 200°F)

The SmartReader 1 is a powerful and accurate data logger designed for easy monitoring and recording of temperature. With one internal ambient temperature channel and an input for an optional remote temperature or contact closure sensing, the SmartReader 1 is ideal for quick and accurate temperature recordings in a variety of applications.



WARRANTY

Internal Battery:	10 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#:
SR-001	01-0024