

SmartReader Plus 1

Product Specifications

Type: Two-Channel Temperature Thermistor

GENERAL SMARTREADER PLUS 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:	12-bit (1 part in 4096)
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) *Not available with sample rates faster than eight seconds
Operating Limits:	-40 to 70°C (-40 to 158°F) and 0 to 95% RH (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 21,500 12-bit readings (3 models available)
	(Catalog#: 01-0008; Model#: SRP-001)
	128KB; capable of storing 87,000 12-bit readings (Catalog#: 01-0112; Model#: SRP-001-128K)
	1.5MB; capable of storing 1,048,000 12-bit readings (Catalog#: 01-0141; Model#: SRP-001-1.5M)

Sampling Rates: User selectable rates from 25 per second to once every eight hours (BP-101 battery pack or PS-201 power supply required for sampling rates faster than eight seconds)

Number of Channels: Two (one for the internal temperature sensor and one for remote sensing of temperature, resistance, or switch status)

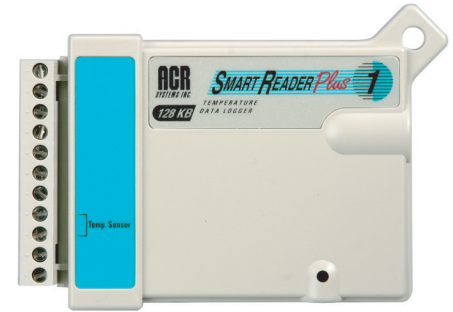
SENSOR SPECIFICATIONS

Internal Temperature Sensor: -40 to 70°C (-40 to 170°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 Plus 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 Plus 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#:
SRP-001	01-0008
SRP-001-128K	01-0112
SRP-001-1.5M	01-0141