

SmartReader Plus 8

Product Specifications

Type: Eight-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: <i>(3 models available)</i>	32KB; capable of storing 21,500 12-bit readings <i>(Catalog#: 01-0015, SRP-008)</i> 128KB; capable of storing 87,000 12-bit readings <i>(Catalog#: 01-0129, SRP-008-128K)</i> 1.5MB; capable of storing 1,048,000 12-bit readings <i>(Catalog#: 01-0158, SRP-008-1.5M)</i>
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:	Eight (one for the internal temperature sensor and seven inputs for measurements 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 8 is an eight-channel temperature logger for measuring the temperature in up to eight different locations, simultaneously (using optional temperature probes).

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-008	01-0013
SRP-008-128K	01-0122
SRP-008-1.5M	01-0151