

SmartReader Plus 8

Product Specifications

GENERAL 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 Resolution: 12-bit (1 part in 4096)

Mounting: Magnetic backing or locking 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 2 (compatible with Windows® 2000, and XP)

Memory Size: 32KB (capable of storing up to 21,500 readings) (3 models available) 128KB (capable of storing up to 87,000 readings)

1.5MB (capable of storing up to 1.048,000 readings)

User selectable rates from 25 per second to once every Sampling Rates:

> eight hours (BP-101 battery pack or PS-201 power supply required for sampling rates faster than eight seconds)

Eight (one for the internal temperature sensor and seven for **Number of Channels:**

remote sensing of temperature, resistance, and/or switch status)

SENSOR SPECIFICATIONS

Internal Temperature Sensor NTC Thermistor - 10,000 Ohm @ 25°C (77°F)

-40 to 70°C (-40 to 158°F) Range:

+/- 0.2°C over the range of 0 to 70°C (+/- 0.3°F over the Accuracy:

range of 32 to 158°F)

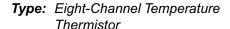
0.03°C (0.05°F) @ 25°C; better than 0.07°C (0.12°F) Resolution: between -25 and 70°C (-13° and 158°F); better than

0.13°C (0.23°F) between -40 and -25°C (-40°F and -13°F)

ACR ET Series Thermistor Probes* General Purpose Temperature Probe -35 to 95°C (-30 to 200°F) 35-0001 Low Temperature Probe -60 to 55°C (-75 to 130°F) 35-0028 Low Temperature Penetration Probe -60 to 55°C (-75 to 130°F) 35-0000 High Temperature Probe 10 to 170°C (50 to 335°F) 35-0002 Oven Temperature Probe 70 to 255°C (155 to 490°F) 35-0003 Skin Surface Temperature Probe 20 to 40°C (68 to 104°F) 35-0020 Pipe Surface Temperature Probe -35 to 95°C (-30 to 200°F) 35-0025 Waterproof Temperature Probe -40 to 105°C (-40 to 221°F) 35-0035

*For remote temperature measurements (external channels)

The SmartReader Plus 8 data logger is the ideal solution for recording temperature in up to eight different locations simultaneously. Choose from a variety of different thermistor probes.





WARRANTY

Internal Battery: 10 Years 3 Years Data Logger:

APPLICATIONS

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

Model#:	Cat#:
SRP-008	01-0015
SRP-008-128K	01-0129
SRP-008-1.5M	01-0158

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