

SmartReader Plus 6

Product Specifications

Type: Eight-Channel Temperature Thermocouple

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)
 128KB; capable of storing 87,000 12-bit readings
 (Catalog#: 01-0122; Model#: SRP-006-128K)
 1.5MB; capable of storing 1,048,000 12-bit readings
 (Catalog#: 01-0151; Model#: SRP-006-1.5M)
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: Eight (one internal thermistor for cold-junction compensation and seven thermocouple inputs)

Thermocouple Types and Resolution:

Type	Range	Resolution
J type thermocouple	-50 to 600°C (-55 to 1100°F)	0.3°C (0.55°F)
K type thermocouple	-100 to 1150°C (-145 to 2102°F)	0.5°C (0.90°F)
S type thermocouple	0 to 1450°C (32 to 2642°F)	1.0°C (1.8°F)
T type thermocouple	-200 to 400°C (-325 to 750°F)	0.4°C (0.75°F)
E type thermocouple	-50 to 680°C (-58 to 1250°F)	0.24°C (0.44°F)

Accuracy: +/- 0.5% of range + resolution

The SmartReader Plus 6 is designed for easy temperature recording from J, K, S, T or E type thermocouples either locally, or remotely via modem. With seven inputs and an onboard cold-junction thermistor, it is the most compact, multi-channel data recorder available. Several SmartReader Plus 6 loggers can be connected together to form a network.



WARRANTY

Battery: 10 Years
Data Logger: 3 Years

APPLICATIONS

Monitoring performance of gas-fired heating equipment, verifying concrete curing temperatures, process verification, etc.

Model#:	Cat#:
SRP-006	01-0013
SRP-006-128K	01-0122
SRP-006-1.5M	01-0151