SmartReader Plus 5
Product Specifications

Type: *Three-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: *(2 models available)*	32KB; capable of storing 21,500 12-bit readings *(Catalog#: 01-0012, SRP-005)* 128KB; capable of storing 87,000 12-bit readings *(Catalog#: 01-0113, SRP-002-128K)*
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:	Three (one internal thermistor for cold-junction compensation and two 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 5 is designed for easy temperature recording from J, K, S, T or E type thermocouples either locally, or remotely via modem. Several SmartReader Plus 5 loggers can be connected together to form a network.

WARRANTY
Internal 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-005	01-0012
SRP-005-128K	01-0121