SmartReader Plus 6

Product Specifications

Type: *Eight-Channel Temperature Thermocouple*

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: *(3 models available)*	32KB *(capable of storing up to 21,500 readings)* 128KB *(capable of storing up to 87,000 readings)* 1.5MB *(capable of storing up to 1,048,000 readings)*
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)*

SENSOR SPECIFICATIONS

Temperature Sensor (internal)

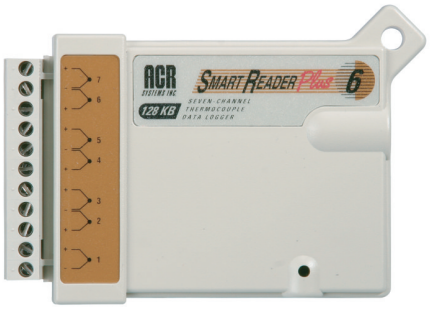
Type:	NTC Thermistor - 10,000 Ohm @ 25˚C (77˚F)
Range:	-40 to 70˚C (-40 to 158˚F)
Accuracy:	+/- 0.2ºC over the range of 0 to 70ºC (+/- 0.3ºF over the range of 32 to 158ºF)
Resolution:	0.03ºC (0.05ºF) @ 25ºC; better than 0.07ºC (0.12ºF) between -25 and 70˚C (-13º and 158ºF); better than 0.13ºC (0.23˚F) between -40 and -25˚C (-40ºF and -13ºF)

Thermocouple Wire	Range	Resolution
J type	-50 to 600˚C (-55 to 1100˚F)	0.30˚C (0.55˚F)
K type	-100 to 1150˚C (-145 to 2100˚F)	0.50˚C (0.90˚F)
S type	0 to 1450˚C (32 to 2642˚F)	1.0˚C (1.8˚F)
T type	-200 to 400˚C (-325 to 750˚F)	0.40˚C (0.75˚F)
E type	-50 to 680˚C (-58 to 1250˚F)	0.24˚C (0.44˚F)

Accuracy

+/- 0.5% of range + resolution

Monitor temperature over a wide range with the SmartReader Plus 6 data logger. Easily and accurately record temperature from any J, K, S, T or E type thermocouple probe. With seven inputs for thermocouple probes and an on-board cold-junction thermistor, the SRP6 is one of the most versatile thermocouple data loggers available.



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-006	01-0013
SRP-006-128K	01-0122
SRP-006-1.5M	01-0151