PRODUCT SPECIFICATIONS

Type **Thermocouple Multi-Channel**

ATAL SMARTREADER PLUS 6

Model# **SRP-006**
SRP-006-128K

GENERAL SMARTREADER PLUS SPECIFICATIONS

Size:	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
Weight:	110 g (3.75 ounces.)
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, Guaranteed for 10 years
Resolution:	12 bits (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
	* Not available for sample rates faster than 8 seconds
Operating Limits:	-40 to 70° C (-40 to 158° F) and 0 to 95% relative humidity (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® for Windows. Windows version 3.1, 95, 98 or NT

Memory Size:
3 Models available

32KB; capable of storing 21,500 12-bit readings (SRP-006)

128KB; capable of storing 87,000 12-bit readings (SRP-006-128K)

1.5MB; capable of storing 1,048,000 12-bit readings (SRP-006-1.5M)

Sampling Rates:

User selectable rates from 25 per second to 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)	0.3ºC (0.55ºF)
K type thermocouple:	-100 to 1150°C (-145 to 2102°F)	0.5ºC (0.90ºF)
S type thermocouple:	-0 to 1450°C (32 to 2642°F)	1.0ºC (1.8ºF)
T type thermocouple:	-200 to 400°C (-325 to 750°F)	0.4ºC (0.75ºF)
E type thermocouple:	-50 to 680°C (-58 to 1250°F)	0.24ºC (0.44ºF)

Accuracy:± 0.5% of range + resolution

Warranty
Internal Battery:	8-10 Years
Data Logger:	1 Year

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

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.