

SmartReader 6

Product Specifications

Type: Seven-Channel Temperature Thermocouple

GENERAL SMARTREADER 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: 8-bit (1 part in 256)
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)
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® Standard - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

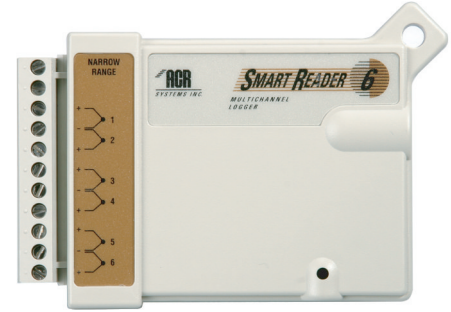
Memory Size: 32KB; capable of storing 32,768 readings
(Catalog #:01-0029, SR-006N)
(Catalog #:01-0030, SR-006W)
Sampling Rates: User selectable rates, from 8 seconds to 5 days in 4-second increments
Number of Channels: Seven (One internal thermistor for cold-junction compensation and six thermocouple inputs)

Temperature Ranges and Resolution:

	Range	Resolution
<i>SR-006N (Narrow Range Version)</i>		
J type thermocouple:	-20 to 190°C (0 to 370°F)	1.4°C (2.5°F)
K type thermocouple:	-25 to 230°C (-10 to 440°F)	1.4°C (3°F)
S type thermocouple:	0 to 960°C (32 to 1750°F)	7.0°C (12.6°F)
T type thermocouple:	-35 to 200°C (-30 to 390°F)	1.7°C (3°F)
<i>SR-006W (Wide Range Version)</i>		
J type thermocouple:	-50 to 600°C (-55 to 1100°F)	5°C (9°F)
K type thermocouple:	-100 to 900°C (-145 to 1650°F)	6.7°C (12°F)
S type thermocouple:	0 to 1760°C (32 to 3200°F)	23°C (41.5°F)
T type thermocouple:	-200 to 400°C (-325 to 750°F)	6.7°C (12°F)

Accuracy: +/- 1% of span + resolution

The SmartReader 6 is designed for easy temperature recording from J, K, S or T type thermocouples either locally, or remotely via modem. With six external inputs and an onboard cold-junction thermistor, it is the most compact, multi-channel data recorder available. Several SmartReader 6 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#:
SR-006N	01-0029
SR-006W	01-0030