

Three Channel Temperature Data Logger

SmartReader 5 is for easy temperature recording from J, K, S or T type thermocouples. Ideal for data logging temperatures over a very wide temperature range.

Features

- 3 channels
- 10-year battery life
- User-configurable
- Accessible remotely by modem
- Network capable

Product Specifications

No. of channels: Three. (One internal thermistor for cold-junction compensation and two external; one for narrow range thermocouple applications, the other for a wider range).

Accuracy: +/- 1% span + resolution.

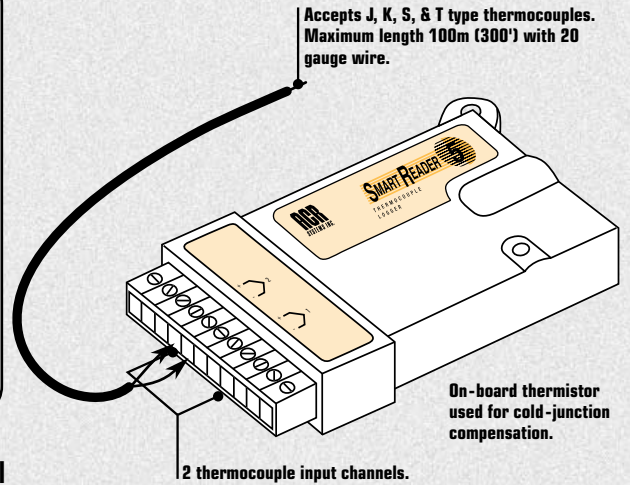
Memory Size: 32 KB.

Common Specifications: See page 6.

Software Specifications: See page 7.

Remote & Network Communications: See page 34.

Accessories: ACR Thermocouple wire. Any J, K, S, T type Thermocouple.



Thermocouple Temperature Range & Resolution for each Channel

THERMOCOUPLE TYPE	CHANNEL 1 (NARROW)		CHANNEL 2 (WIDE)	
	RANGE	RESOLUTION	RANGE	RESOLUTION
J	-20 to 190°C (0 to 370°F)	1.4°C (2.5°F)	-50 to 600°C (-55 to 1100°F)	5°C (9°F)
K	-25 to 230°C (-10 to 440°F)	1.7°C (3°F)	-100 to 900°C (-145 to 1650°F)	6.7°C (12°F)
S	0 to 960°C (32 to 1750°F)	7.0°C (12.6°F)	0 to 1760°C (32 to 3200°F)	23°C (41.5°F)
T	-35 to 200°C (-30 to 390°F)	1.7°C (3°F)	-200 to 400°C (-325 to 750°F)	6.7°C (12°F)

Order Information

MODEL	MEMORY	CATALOG #
SR-005	32 KB	01-0028

Three Channel Temperature Data Logger

The SmartReader Plus model 5 provides easy and accurate temperature recording from J, K, S, T, and E type thermocouples. 12 bit resolution increases the accuracy over the full range of the compatible thermocouples. Ideal for data logging temperature precisely over a wide temperature range.

Features

- 12 bit resolution
- 3 channels
- 10-year battery life
- Up to 128 KB memory
- User-configurable
- Accessible remotely by modem
- Network capable
- Up to 25 samples per second

Product Specifications

No. of channels: Three. (One internal thermistor for cold-junction compensation and 2 thermocouple inputs).

Accuracy: +/- 0.5% of span + resolution.

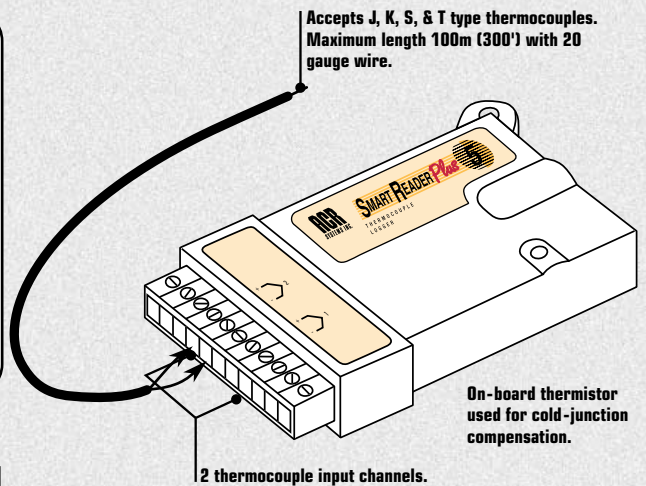
Memory Size: 32 KB and 128 KB.

Common Specifications: See page 8.

Software Specifications: See page 9.

Remote & Network Communications: See page 34.

Accessories: ACR Thermocouple wire. Any J, K, S, T, and E type Thermocouple.



Thermocouple Temperature Range & Resolution for each Channel

THERMOCOUPLE TYPE	RANGE	RESOLUTION
J	-50 to 600°C (-55 to 1100°F)	0.30°C (0.55°F)
K	-100 to 900°C (-145 to 1650°F)	0.50°C (0.90°F)
S	0 to 1450°C (32 to 2642°F)	1.0°C (1.8°F)
T	-200 to 400°C (-325 to 750°F)	0.40°C (0.75°F)
E	-50 to 680°C (-58 to 1250°F)	0.24°C (0.44°F)

Order Information

MODEL	MEMORY	CATALOG #
SRP-005	32 KB	01-0012
SRP-005-128K	128 KB	01-0121