

## Eight Channel Process Signal Data Logger

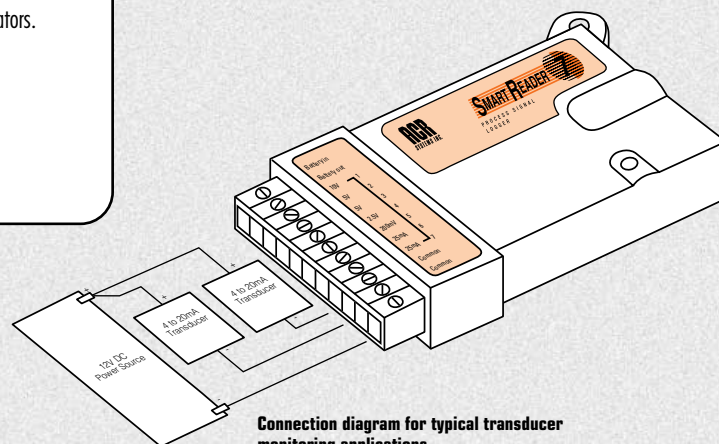
SmartReader 7 is a versatile data logger for easy recording of common process signal variables. With seven input channels, the logger is ideal for monitoring (through commercially available transducers) a wide variety of measurement parameters.

### Features

- 8 channels
- User-configurable
- Accessible remotely by modem
- Network capable

### Product Specifications

No. of Channels:	Eight. (One internal for ambient temperature and seven external for analog voltage and current loop signals).
Standard Input Ranges:	0 to 2.5 volts DC. 0 to 5.0 volts DC (two channels). 0 to 10.0 volts DC. 0 to 200 millivolts DC. 0 to 25 milliamps DC (two channels).
Optional Input Ranges:	All external channels 0 to 2.5 volts, 0 to 5 volts, 0 to 10 volts, or 0 to 25mA.
Accuracy:	+/-1% full scale.
Input Impedances:	Greater than 1 M ohm (200 mV channel). Greater than 1 M ohm (0 to 2.5 V channel). 20 K ohms (0 to 5.0 V channels). 40.9 K ohms (0 to 10.0 V channel). 100 ohms (0 to 25 mA channels).
Maximum Protection	
Voltage channels:	+/-40 volts (reverse-polarity protected).
Current channels:	+/- 70 mA (reverse-polarity protected).
Transducer Restrictions:	The use of a single power supply is recommended to avoid ground loops or use loop isolators.
Memory Size:	32 KB.
Common Specifications:	See page 6.
Software Specifications:	See page 7.
Remote & Network Communications:	See page 34.



Connection diagram for typical transducer monitoring applications.

### Order Information

MODEL	INPUT RANGE(S)	MEMORY	CATALOG #
SR-007	Standard Model	32 KB	01-0031
SR-007-0-2.5V	0-2.5 volt	32 KB	01-0033
SR-007-0-5V	0-5 volt	32 KB	01-0034
SR-007-0-10V	0-10 volt	32 KB	01-0041
SR-007-25mA	0-25 mA	32 KB	01-0032