

## Eight Channel Process Signal Data Logger

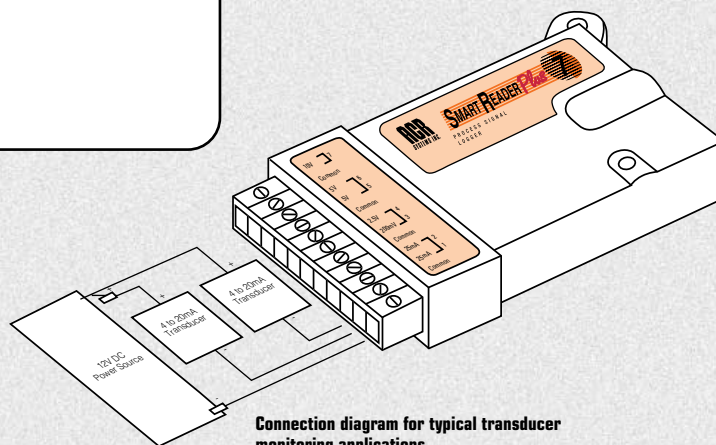
Recording process signals is easy and convenient with the SmartReader Plus 7. With seven input channels it is ideal for monitoring (through commercially available transducers) a wide variety of measurement parameters. All process signals can be displayed in their own engineering units using the simple equation editor in ACR's TrendReader® Software for Windows®.

### Features

- 12 bit resolution
- 8 channels
- 10 year battery life
- Up to 1.5 MB memory
- User-configurable
- Accessible remotely by modem
- Network capable
- Up to 25 samples per second

### Product Specifications

No. of Channels:	Eight. (One internal thermistor and 7 analog inputs)	
Standard Inputs:	Input type	Input Impedance
	0 to 2.5 volts DC channel	Greater than 1M ohm
	0 to 5.0 volts DC (2 channels)	Greater than 1M ohm
	0 to 10.0 volts DC channel	Greater than 1M ohm
	0 to 200 millivolts DC channel	Greater than 1M ohm
Optional Inputs:	0 to 25 milliamps DC (2 channels)	20 ohms
	All external channels 0 to 2.5 volts, 0 to 5 volts, 0 to 10 volts, or 0 to 25mA .	
Accuracy:	+/- 0.5% of full scale.	
Overload Protection:	Voltage channels: +/- 40 volts and Current channels: +/- 70mA (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, 128 KB and 1.5 MB.	
Common Specifications:	See page 8.	
Software Specifications:	See page 9.	
Remote & Network Communications:	See page 34.	



Connection diagram for typical transducer monitoring applications.

### Order Information

MODEL	INPUT RANGE(S)	MEMORY	CATALOG #
SRP-007	Standard Model	32 KB	01-0014
SRP-007	Standard Model	128 KB	01-0123
SRP-007	Standard Model	1.5 MB	01-0152
SRP-007-0-2.5V	0-2.5 volt	32 KB	01-0018
SRP-007-0-2.5V-128K	0-2.5 volt	128 KB	01-0127
SRP-007-0-5V	0-5 volt	32 KB	01-0107
SRP-007-0-5V -128K	0-5 volt	128 KB	01-0124
SRP-007-0-5V-1.5M	0-5 volt	1.5 MB	01-0154
SRP-007-0-10V	0-10 volt	32 KB	01-0020
SRP-007-0-10V-128K	0-10 volt	128 KB	01-0125
SRP-007-25mA	0-25 mA	32 KB	01-0017
SRP-007-25mA-128K	0-25 mA	128 KB	01-0126
SRP-007-25mA-1.5M	0-25 mA	1.5 MB	01-0156