PRODUCT SPECIFICATIONS

Type **Process Signal**

ATAL SMARTREADER PLUS 7

Model# **SRP-007-32k**

GENERAL SMARTREADER 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 eight 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:	32KB; capable of storing 21,500 12-bit readings (SRP-007-32K)
(3 Models available)	128KB; capable of storing 87,000 12-bit readings (SRP-007-128K)
	1.5MB; capable of storing 1,048,000 12-bit readings (SRP-007-1.5M)
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 for the internal temperature sensor and seven analog inputs)

Standard input ranges:

0 to 2.5 VDC, 0 to 5.0 VDC (two channels), 0 to 10.0 VDC,

0 to 25 mA DC (two channels), 0 to 200 mV DC.

Optional Inputs:

a) All external channels 0-25mA: (SRP-007-32K-25mA)
    (SRP-007-128K-25mA 01-0126), (SRP-007-1.5M-25mA)

b) All external channels 0-2.5 VDC: (SRP-007-32-2.5V)
    (SRP-007-128K-2.5V)

c) All external channels 0-5 VDC: (SRP-007-32-5V)
    (SRP-007-128K-5V 01-0124), (SRP-007-1.5M-5V)

d) All external channels 0-10 VDC: (SRP-007-32K-10V)
    (SRP-007-128K-10V)

Accuracy: ± 0.5% of full scale Transducer Restriction: The use of a single power supply is recommended to avoid ground loops, or use loop isolators.

The SmartReader Plus 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.

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

Applications
Monitoring wind speed, flow, tank level, pressure, current, voltage, power, SCADA troubleshooting, and more.

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