

# SmartReader Plus 4

## Product Specifications

**Type:** Four-Channel Pressure, Temperature & RH

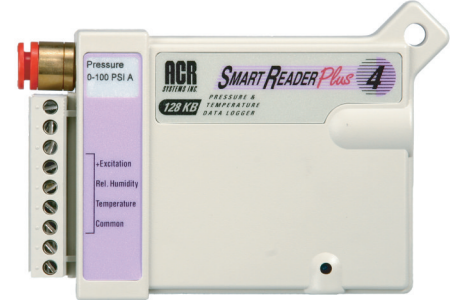
### GENERAL SMARTREADER PLUS SPECIFICATIONS

<b>Size:</b>	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
<b>Weight:</b>	110 grams (3.75 ounces)
<b>Case Material:</b>	Noryl® plastic
<b>Battery:</b>	3.6 volt Lithium, guaranteed for ten years
<b>Resolution:</b>	12-bit (1 part in 4096)
<b>Mounting:</b>	Magnetic backing or lock eyelet
<b>Clock Accuracy:</b>	+/- 2 seconds per day
<b>Sampling Methods:</b>	Continuous (First-in, First-out)*, Stop When Full (Fill-then-stop) *Not available with sample rates faster than eight seconds
<b>Operating Limits:</b>	-40 to 70°C (-40 to 158°F) and 0 to 95% RH (non-condensing)
<b>PC Requirements:</b>	IBM PC or 100% compatible with at least one free serial port, 2 MB of RAM memory, and 2 MB of hard disk space
<b>Software Requirements:</b>	TrendReader® Standard - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

<b>Memory Size:</b>	32KB; capable of storing 21,500 12-bit readings
<i>(2 memory sizes available)</i>	128KB; capable of storing 87,000 12-bit readings
<b>Sampling Rates:</b>	User selectable rates from 25 per second to once every eight hours (BP-101 battery pack or PS- 201 power supply required for sampling rates faster than eight seconds)
<b>Number of Channels:</b>	Four (one internal temperature sensor for ambient temperature, one for pressure, and two for the optional remote relative humidity and temperature probe [model EH-020A])

<b>Pressure Ranges:</b>	
0 to 5 psi (30kPa) Gauge	For 32KB memory: Cat# 01-0091, SRP-004-5G For 128KB memory: Cat# 01-0115, SRP-004-5G-128K
0 to 30 psi (200kPa) Absolute	For 32KB memory: Cat# 01-0092, SRP-004-30A For 128KB memory: Cat# 01-0116, SRP-004-30A-128K
0 to 30 psi (200kPa) Gauge	For 32KB memory: Cat# 01-0093, SRP-004-30G For 128KB memory: Cat# 01-0117, SRP-004-30G-128K
0 to 100 psi (700kPa) Absolute	For 32KB memory: Cat# 01-0094, SRP-004-100A For 128KB memory: Cat# 01-0118, SRP-004-100A-128K
0 to 100 psi (700kPa) Gauge	For 32KB memory: Cat# 01-0095, SRP-004-100G For 128KB memory: Cat# 01-0119, SRP-004-100G-128K
0 to 150 psi (1000kPa) Gauge	For 32KB memory: Cat# 01-0097, SRP-004-150G For 128KB memory: Cat# 01-0139, SRP-004-150G-128K
0 to 10"WC (2.5 kPa) Gauge	For 32KB memory: Cat# 01-0090, SRP-004-010 For 128KB memory: Cat# 01-0120, SRP-004-010-128K
<b>Calibrated Accuracy:</b>	+/- 0.5% of full scale @ 25°C (77°F)
<b>Internal Temperature Sensor:</b>	-40 to 70°C (-40 to 158°F), NTC Thermistor
<b>Accuracy:</b>	+/-0.2°C from 0 to 70°C; +/-0.5°C from -40 to 0°C

The SmartReader Plus 4 data logger provides easy monitoring and troubleshooting of pneumatic control systems. The unit is completely self-contained with a 1/4" quick-release pressure fitting to allow a fast connection. The SmartReader Plus 4 can also monitor temperature internally, or temperature and RH externally.



### WARRANTY

<b>Internal Battery:</b>	<b>10 Years</b>
<b>Data Logger:</b>	<b>3 Years</b>

### APPLICATIONS

Performance tracking of pneumatically controlled valves; verifying thermostat and humidistats; monitoring sensitive shipments, etc.

<b>Model#:</b>	<b>Cat#:</b>
SRP-004-010	01-0090
SRP-004-010-128K	01-0120
SRP-004-5G	01-0091
SRP-004-5G-128K	01-0115
SRP-004-30G	01-0093
SRP-004-30G-128K	01-0117
SRP-004-30A	01-0092
SRP-004-30A-128K	01-0116
SRP-004-100G	01-0095
SRP-004-100G-128K	01-0119
SRP-004-100A	01-0094
SRP-004-100A-128K	01-0118
SRP-004-150G	01-0097
SRP-004-150G-128K	01-0139