

SmartReader 4

Product Specifications

Type: Five-Channel Pressure, Temperature & RH

GENERAL SMARTREADER SPECIFICATIONS

Size:	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
Weight:	110 grams (3.75 ounces)
Case Material:	Noryl® plastic
Battery:	3.6 volt Lithium, guaranteed for ten years
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or lock eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
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® Standard - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

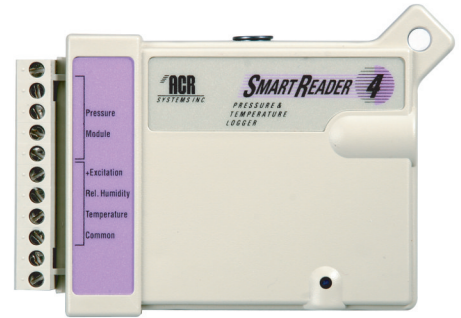
Memory Size:	32KB; capable of storing 32,768 readings (Catalog#: 01-0027, SR-004)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Five (one internal temperature sensor for ambient temperature, one optional internal RH sensor, one optional Pressure Module, and two for the optional remote RH and temperature probe [model EH-020A])

Pressure Sensors:

0 to 5psi (30kPa) Gauge	(PM-005-G Catalog #:01-0045)
0 to 30psi (200kPa) Absolute	(PM-030-A Catalog #:01-0046)
0 to 30psi (200kPa) Gauge	(PM-030-G Catalog #:01-0047)
0 to 100psi (700kPa) Absolute	(PM-100-A Catalog #:01-0048)
0 to 100psi (700kPa) Gauge	(PM-100-G Catalog #:01-0049)
0 to 150psi (1000kPa) Gauge	(PM-150-G Catalog #:01-0086)

Calibrated Accuracy:	+/- 1% of full scale @ 25°C(77°F)
Internal Temperature Sensor:	-40 to 70°C (-40 to 158°F), NTC Thermistor
Accuracy:	+/- 0.2°C from 0 to 70°C; +/- 0.5°C from -40 to 0°C (+/-0.3°F from 32 to 158°F; +/- 0.9°F from -40 to 32°F)

The SmartReader 4 data logger provides easy monitoring and troubleshooting of pneumatic control systems. It is designed to work with optional plug-in Pressure Modules. As an added bonus, the SmartReader 4 can also monitor temperature and RH internally, or temperature and RH externally (RH sensors/probes and thermistor temperature probes sold separately).



WARRANTY

Internal Battery:	10 Years
Data Logger:	3 Years

APPLICATIONS

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

Model#:	Cat#:
SR-004	01-0027