SmartReader 4

Product Specifications

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

GENERAL 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
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or locking 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% RH (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 2 *(compatible with Windows® 2000, and XP)*

Memory Size:	32KB *(capable of storing up to 32,767 readings)*
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 for optional internal RH sensor, one for optional pressure sensor, and two for optional remote RH and temperature probe [model EH-020A])*

SENSOR SPECIFICATIONS

Temperature Sensor (internal)

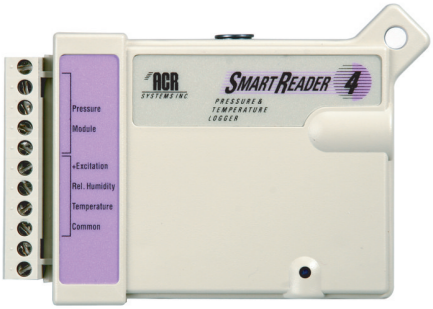
Type:	NTC Thermistor - 10,000 Ohm @ 25˚C (77˚F)
Range:	-40 to 70˚C (-40 to 158˚F)
Accuracy:	+/- 0.2ºC over the range of 0 to 70ºC (+/- 0.3ºF over the range of 32 to 158ºF)
Resolution:	0.4ºC (0.7ºF) @ 25ºC; better than 1ºC (1.8ºF) between -25 and 70˚C (-13º and 158ºF); better than 2.0ºC (3.6˚F) between -40 and -25˚C (-40ºF and -13ºF)

Pressure Sensors	Range	Resolution	Cat#
PM-005-G	0 to 5 psi (30 kPa) Gauge	0.03 psi (0.21 kPa)	01-0045
PM-030-A	0 to 30 psi (200 kPa) Absolute	0.15 psi (1.0 kPa)	01-0046
PM-030-G	0 to 30 psi (200 kPa) Gauge	0.15 psi (1.0 kPa)	01-0047
PM-100-A	0 to 100 psi (700 kPa) Absolute	0.5 psi (3.5 kPa)	01-0048
PM-100-G	0 to 100 psi (700 kPa) Gauge	0.5 psi (3.5 kPa)	01-0049
PM-150-G	0 to 150 psi (1000 kPa) Gauge	0.5 psi (3.5 kPa)	01-0086

Calibrated Accuracy

+/- 0.5% of full scale @ 25˚C (77˚F)

The SmartReader 4 data logger records pressure, temperature and relative humidity. Use it to monitor and troubleshoot pneumatic systems. With a variety of pressure sensors available, you can tailor the logger to suit your needs. As an added bonus, the SmartReader 4 can also monitor temperature and relative humidity. All probes and sensors are sold separately.



WARRANTY

Internal Battery:	**10 Years**
Data Logger:	**3 Years**

APPLICATIONS

Tracking performance of pneumatically controlled valves; verifying thermostat and humidistats; monitoring sensitive shipments, etc.

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