

Low Pressure Differential Data Logger

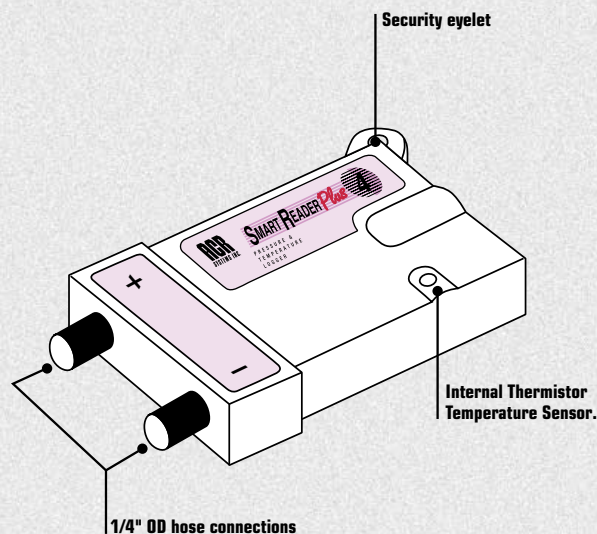
The ACR Low Pressure Differential SmartReader Plus 4 data logger is designed to be used in applications where precise and very low differential pressure measurements are required.

Features

- Very accurate
- Extra fine pressure resolution
- 12 bit resolution
- Temperature compensated
- 10-year battery life
- User-configurable
- Accessible remotely by modem
- Network capable

Product Specifications

No. of Channels:	Two. (One for the internal compensating temperature thermistor and one for the pressure sensor)
Ranges (Water Column):	+/-0.5", +/-1.0", +/-2.0", +/-5.0", +/-10"
Maximum Pressure:	+/-40" WC.
Type:	Silicone piezoresistive strain gauge.
Media:	Non-corrosive gases and dry air.
Temperature Range:	
Operating:	-40 to 70°C (-40 to 158°F).
Compensated:	0 to 70°C (32 to 158°F).
Accuracy:	
Calibrated:	+/-0.5, +/-1, & +/-2" 0.05" W.C. +/-5 & +/-10" 0.1" W.C.
Thermal:	+/-0.5% FS (over-compensated range).
Non-linearity:	+/-0.05% FS (best fit straight line).
Resolution:	< 0.01" WC.
Hysteresis & Repeatability:	+/- 0.05% FS (typical).
Long Term Stability:	+/-0.5% FS.
Memory Size:	32 KB.
Common Specifications:	See page 8.
Software Specifications:	See page 9.
Remote & Network Communications:	See page 34.



Order Information

MODEL	PRESSURE RANGE	MEMORY	CATALOG #
SRP-004-LPD-0.5	+/-0.5" W.C.	32 KB	01-0310
SRP-004-LPD-1	+/-1.0" W.C.	32 KB	01-0311
SRP-004-LPD-2	+/-2.0" W.C.	32 KB	01-0312
SRP-004-LPD-5	+/-5.0" W.C.	32 KB	01-0313
SRP-004-LPD-10	+/-10.0" W.C.	32 KB	01-0314