

Honeywell Sensing and Control



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1800-09A-L0N-B
Low Pressure Sensors
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- Specifying Hour Meters
- SAW Torque Sensor Technology

white papers

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1800/1805 Series, 0 psi to 100 psi pressure range, absolute, 10.0 Vdc typ., 15.0 Vdc max. supply voltage, TO-8 can

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Product Specifications

Measurement Type	Absolute
Pressure Range	0 psi to 100 psi
Supply Voltage	10.0 Vdc typ., 15.0 Vdc max.
Temperature Compensation	Yes
Top Side Overpressure	350 psi
Response Time	1ms
Bottom Side Overpressure	50 psi
Package Type	TO-8 Can
Full Scale Span	98 mV to 102 mV
Insulation Resistance	100 mOhm at 50 Vdc
Repeatability	±0.0125 max. %FFS
Output Resistance	3.5 kOhm min., 6.0 kOhm max.
Common Mode Voltage	50% input
Shock	100 g for 11 ms
Vibration	10 g rms at 20 Hz to 200 Hz
Pressure Connection	3/16 in tube (top); none (bottom)
Operating Temperature	-40 °C to 121 °C [-40 °F to 257 °F]
Compensated Temperature Range	-1 °C to 54 °C [34 °F to 129 °F]
Media Compatibility	Clean, dry gases only.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Life	100 million cycles
Availability	Global
Series Name	1800/1805

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MICRO SWITCH Anniversary site