

## Honeywell Sensing and Control

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**1805-00D-K4N-B**  
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- Applying Precision Switches
- Sensors for Medical Devices
- New Ways to Measure Torque
- Choosing Safety Switches
- Specifying Hour Meters
- SAW Torque Sensor Technology

**white papers**

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1800/1805 Series, 0 psi to 3 psi pressure range, differential, 10.0 Vdc typ., 15.0 Vdc max. supply voltage, TO-8 can

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**Product Specifications**

Measurement Type	Differential
Pressure Range	0 psi to 3 psi
Supply Voltage	10.0 Vdc typ., 15.0 Vdc max.
Temperature Compensation	Yes
Top Side Overpressure	15 psi
Response Time	1 ms
Bottom Side Overpressure	9 psi
Package Type	TO-8 Can
Full Scale Span	38 mV to 42 mV
Insulation Resistance	100 mOhm at 50 Vdc
Pressure Non-linearity	±0.25 max. %FSS
Repeatability	±0.0125 max. %FSS
Output Resistance	3.5 kOhm min., 6.0 kOhm max.
Temperature Effect on Span	±2 mV max.
Temperature Effect on Offset	±2 mV max.
Long-term Stability (Offset and Span)	±0.2 max. %FSS
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); 1/8 in tube (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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