

# DPR SERIES

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Issue B

## TruStability™ Board Mount Pressure Sensors Standard Accuracy, Compensated/Amplified ±1.6 mbar to ±25 mbar | ±160 Pa to ±2.5 kPa | ±0.5 H<sub>2</sub>O to ±10 inH<sub>2</sub>O

### DESCRIPTION

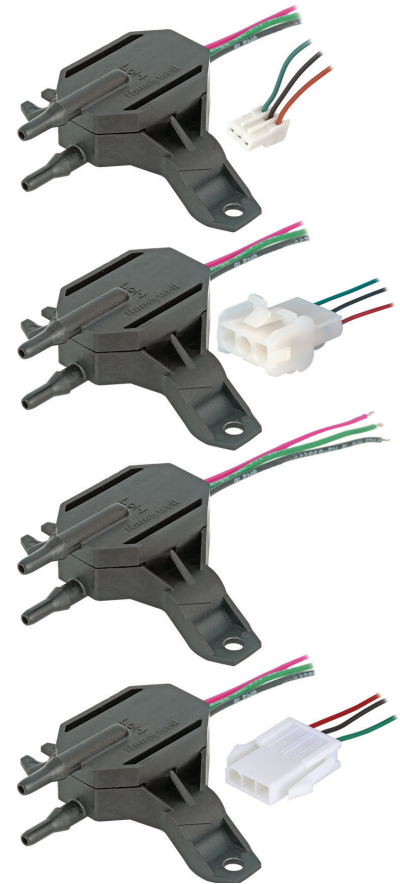
The TruStability™ DPR Series is a piezoresistive silicon pressure sensor offering a ratiometric analog output for reading pressure over the specified full scale pressure span and temperature range. These sensors are fully calibrated and temperature compensated for sensor offset, sensitivity, temperature effects, and non-linearity using an on-board Application Specific Integrated Circuit (ASIC). Calibrated output values for pressure are updated at approximately 1 kHz. The DPR Series is calibrated over the temperature range of -20°C to 70°C [-4°F to 185°F]. The sensor is calibrated for operation from a single power supply of 5.0 Vdc. These sensors measure differential or gage pressures. The robust and durable housing, with its industry-standard mounting configuration, along with a choice of flexible electrical terminations, is designed to withstand tough application environments. The sensors' internal diagnostic functions detect most internal failures, including burst sensors, and may reduce the need for redundant sensors in the system. The DPR Series is intended for use with non-corrosive, non-ionic gases, such as air and other dry gases. Custom calibrations, additional pressure ranges or options to extend the performance of these sensors to include non-corrosive, non-ionic liquids is possible. All products are designed and manufactured according to ISO 9001 standards.

### POTENTIAL INDUSTRIAL APPLICATIONS

- Heating, ventilation, air conditioning (HVAC)
- Variable air volume (VAV) control
- Damper control and duct air flow
- Filter monitoring/clogged filter detection
- Modulated furnace controls
- Indoor air quality
- Leak detection
- Pneumatic control
- Burner control
- Fuel-to-air rationing
- Gas analyzers and meters
- Fume hoods and clean rooms

### FEATURES

- Pressure range: ±1.6 mbar to ±25 mbar | ±160 Pa to ±2.5 kPa | ±0.5 inH<sub>2</sub>O to ±10 inH<sub>2</sub>O
- Pressure types: Differential and gage
- Total Error Band: As low as ±1.25 %FSS depending on pressure range (after auto zero)
- Accuracy: ±0.25 %FSS BFSL (Full Scale Span Best Fit Straight Line)
- Stable offset voltage
- Compensated temperature range: -20°C to 70°C [-4°F to 158°F]
- Low sensitivity to mounting orientation
- Output: analog voltage
- Overvoltage and reverse polarity protected
- Industry-standard mounting configuration and barbed ports
- Robust and durable package
- Internal diagnostic functions
- RoHS compliant



### PORTFOLIO

Honeywell offers a variety of board mount pressure sensors for potential use in medical and industrial applications. Our categories of pressure sensor measurement include absolute, differential, gage or vacuum gage, with unamplified or amplified sensors and covering a wide pressure range. To view the entire product portfolio, [click here](#).

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# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 1. ABSOLUTE MAXIMUM RATINGS<sup>1</sup>**

CHARACTERISTIC	MIN.	MAX.	UNIT
Supply voltage ( $V_{supply}$ )	-5.0	12.0	Vdc
Voltage on output pin	-0.3	6.0	Vdc

<sup>1</sup>Absolute maximum ratings are the extreme limits the device will withstand without damage.

**TABLE 2. ENVIRONMENTAL SPECIFICATIONS**

CHARACTERISTIC	PARAMETER
Humidity	0 %RH to 95 %RH, non-condensing
Vibration	15 g, 10 Hz to 2 kHz
Shock	100 g, 6 ms duration
ESD susceptibility	3 kV min, human body model
Life <sup>1</sup>	1 million pressure cycles minimum

<sup>1</sup> Life may vary depending on the specific application in which the sensor is utilized.

**TABLE 3. WETTED MATERIALS<sup>1</sup>**

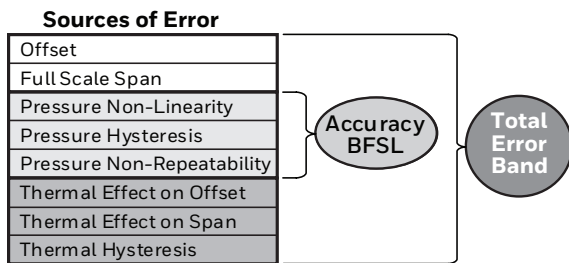
COMPONENT	MATERIAL	
	PORT 1 (PRESSURE PORT)	PORT 2 (REFERENCE PORT)
Ports and covers	high temperature polyamide	
Substrate	alumina ceramic	
Adhesives	epoxy, silicone	
O-Ring	silicone rubber	
Electronic components	ceramic, silicon, glass, solder	silicon, glass, gold

<sup>1</sup> Contact Honeywell Customer Service for detailed material information.

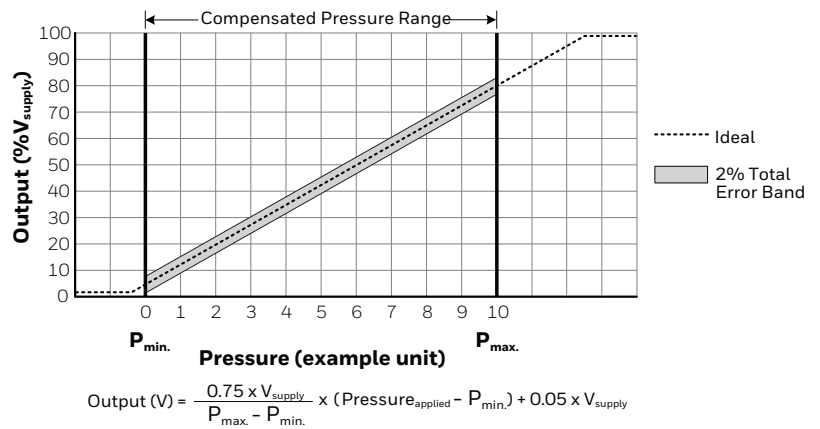
**TABLE 4. SENSOR PRESSURE TYPES**

PRESSURE TYPE	DESCRIPTION
Differential	Output is proportional to the difference between the pressures applied to each port (Port 1 - Port 2).
Gage	Output is proportional to the difference between applied pressure and atmospheric (ambient) pressure.

**FIGURE 1. TEB COMPONENTS FOR TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS**



**FIGURE 2. TRANSFER FUNCTION LIMITS**



# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 5. OPERATING SPECIFICATIONS**

CHARACTERISTIC	MIN.	TYP.	MAX.	UNIT
Supply voltage ( $V_{\text{supply}}$ ) <sup>1</sup>	4.75	5.0	5.25	Vdc
Minimum operating voltage	3.0	—	—	Vdc
Supply current	—	2.7	3.5	mA
Operating temperature range <sup>2</sup>	-40 [-40]	—	85 [185]	°C [°F]
Compensated temperature range <sup>3</sup>	-20 [-4]	—	70 [158]	°C [°F]
Startup time (power up to data ready)	—	—	5	ms
Response time	—	1	—	ms
Clipping limits:				
upper	—	—	97.5	% $V_{\text{supply}}$
lower	2.5	—	—	
Accuracy <sup>4</sup>	—	—	±0.25	%FSS BFSL <sup>6</sup>
Output resolution	—	0.033	—	%FSS <sup>6</sup>
Orientation sensitivity ( $\pm 1$ g) <sup>5</sup> :				
$\leq 40$ mbar   4 kPa   20 inH <sub>2</sub> O	—	±0.1	—	%FSS <sup>6</sup>
$\leq 2.5$ mbar   250 Pa   1 inH <sub>2</sub> O	—	±0.2	—	

<sup>1</sup>Ratiometricity of the sensor (the ability of the device output to scale to the supply voltage) is achieved within the specified operating voltage.

<sup>2</sup>**Operating temperature range:** The temperature range over which the sensor will produce an output proportional to pressure.

<sup>3</sup>**Compensated temperature range:** The temperature range over which the sensor will produce an output proportional to pressure within the specified performance limits.

<sup>4</sup>**Accuracy:** The maximum deviation in output from a Best Fit Straight Line (BFSL) fitted to the output measured over the pressure range. Includes all errors due to pressure non-linearity, pressure hysteresis, and non-repeatability.

<sup>5</sup>**Orientation sensitivity:** The maximum change in offset of the sensor due to a change in position or orientation relative to Earth's gravitational field.

<sup>6</sup>**Full Scale Span (FSS):** The algebraic difference between the output signal measured at the maximum (Pmax.) and minimum (Pmin.) limits of the pressure range. (See Figure 3 for ranges).

# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 6. DPR SERIES AVAILABILITY<sup>1</sup>**

CATALOG LISTING	DESCRIPTION
DPRCAN0005NG0000A5	DPR Series, standard accuracy, compensated/amplified, flying leads with 304,8 mm harness length, no gel, 0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O pressure range, analog output, 5% to 80% of V <sub>supply</sub> transfer function, 5.0 Vdc supply voltage
DPRAN0005NG0000A5	DPR Series, standard accuracy, compensated/amplified, AMP 3-643814-3 connector with 304,8 mm harness length, no gel, 0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O pressure range, analog output, 5% to 80% of V <sub>supply</sub> transfer function, 5.0 Vdc supply voltage
DPRCAN0002NG0000A5	DPR Series, standard accuracy, compensated/amplified, flying leads with 304,8 mm harness length, no gel, 0 inH <sub>2</sub> O to 2 inH <sub>2</sub> O pressure range, analog output, 5% to 80% of V <sub>supply</sub> transfer function, 5.0 Vdc supply voltage
DPRABN0005NG0000A5	DPR Series, standard accuracy, compensated/amplified, AMP 3-643814-3 connector with 50,8 mm harness length, no gel, 0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O pressure range, analog output, 5% to 80% of V <sub>supply</sub> transfer function, 5.0 Vdc supply voltage
DPRCAN0010NG0000A5	DPR Series, standard accuracy, compensated/amplified, flying leads with 304,8 mm harness length, no gel, 0 inH <sub>2</sub> O to 10 inH <sub>2</sub> O pressure range, analog output, 5% to 80% of V <sub>supply</sub> transfer function, 5.0 Vdc supply voltage

<sup>1</sup>These catalog listings are high volume and may be shipped quickly. Other configurations per Figure 3 are possible; however, minimum order quantity thresholds and NRE may apply. Please consult the factory.

**FIGURE 3. NOMENCLATURE AND ORDER GUIDE**

For example, **DPRCAN0002NG0000A5** defines a DPR Series, Standard Accuracy, Compensated/Amplified, flying leads, 304,8 mm harness length, no gel, 0 inH<sub>2</sub>O to 2 inH<sub>2</sub>O pressure range, analog output type, 5% to 80% of V<sub>supply</sub> transfer function, 5.0 Vdc supply voltage.

**Product Series**  
**DPR** Standard accuracy, compensated/amplified

**Electrical Termination**  
**A** AMP 3-643814-3  
**B** AMP 1-480701-0  
**C** Flying leads  
**D** Molex 39-01-4033

**Harness Length**  
**A** 304,8 mm  
**B** 50,8 mm

**Gel**  
**N** No gel

**D P R C A N 0 0 0 2 N G 0 0 0 0 A 5**

**Supply Voltage**  
**5** 5.0 Vdc

**Transfer Function**  
**A** 5% to 80% of V<sub>supply</sub> (analog output)  
**B** 10% to 90% of V<sub>supply</sub> (analog output)

**Pressure Range**

Differential		Gage	
<b>01.6MDN1.6</b>	±1.6 mbar	<b>02.5MG0000</b>	0 mbar to 2.5 mbar
<b>02.5MDN2.5</b>	±2.5 mbar	<b>0004MG0000</b>	0 mbar to 4 mbar
<b>0004MDN004</b>	±4 mbar	<b>0006MG0000</b>	0 mbar to 6 mbar
<b>0006MDN006</b>	±6 mbar	<b>0010MG0000</b>	0 mbar to 10 mbar
<b>0010MDN010</b>	±10 mbar	<b>0016MG0000</b>	0 bar to 16 mbar
<b>0016MDN016</b>	±16 mbar	<b>0025MG0000</b>	0 bar to 25 mbar
<b>0025MDN025</b>	±25 mbar	<b>0040MG0000</b>	0 bar to 40 mbar
<b>0160LDN160</b>	±160 Pa	<b>0250LG0000</b>	0 Pa to 250 Pa
<b>0250LDN250</b>	±250 Pa	<b>0400LG0000</b>	0 Pa to 400 Pa
<b>0400LDN400</b>	±400 Pa	<b>0600LG0000</b>	0 Pa to 600 Pa
<b>0600LDN600</b>	±600 Pa	<b>0001KG0000</b>	0 kPa to 1 kPa
<b>0001KDN001</b>	±1 kPa	<b>01.6KG0000</b>	0 kPa to 1.6 kPa
<b>01.6KDN1.6</b>	±1.6 kPa	<b>02.5KG0000</b>	0 kPa to 2.5 kPa
<b>02.5KDN2.5</b>	±2.5 kPa	<b>0004KG0000</b>	0 kPa to 4 kPa
<b>00.5NDN0.5</b>	±0.5 inH <sub>2</sub> O	<b>0001NG0000</b>	0 inH <sub>2</sub> O to 1 inH <sub>2</sub> O
<b>0001NDN001</b>	±1 inH <sub>2</sub> O	<b>0002NG0000</b>	0 inH <sub>2</sub> O to 2 inH <sub>2</sub> O
<b>0002NDN002</b>	±2 inH <sub>2</sub> O	<b>0005NG0000</b>	0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O
<b>0005NDN005</b>	±5 inH <sub>2</sub> O	<b>0009NGN.75</b>	-0.75 inH <sub>2</sub> O to 9 inH <sub>2</sub> O
<b>0010NDN010</b>	±10 inH <sub>2</sub> O	<b>0010NG0000</b>	0 inH <sub>2</sub> O to 10 inH <sub>2</sub> O
		<b>0014NGN.40</b>	-0.40 inH <sub>2</sub> O to 14 inH <sub>2</sub> O
		<b>0020NG0000</b>	0 inH <sub>2</sub> O to 20 inH <sub>2</sub> O

# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 7. PRESSURE RANGE SPECIFICATIONS FOR ±1.6 MBAR TO ±25 MBAR DIFFERENTIAL AND 0 MBAR TO 2.5 BAR TO 0 MBAR TO 40 MBAR GAGE.**

PRESSURE RANGE (SEE FIGURE 3.)	PRESSURE RANGE		UNIT	WORKING PRESSURE <sup>1</sup>	OVER PRESSURE <sup>2</sup>	BURST PRESSURE <sup>3</sup>	COMMON MODE PRESSURE <sup>4</sup>	TOTAL ERROR BAND (%FSS) <sup>5</sup>	TOTAL ERROR BAND AFTER AUTO-ZERO <sup>6</sup> (%FSS)	LONG-TERM STABILITY, 1000 HR 25°C (%FSS)
	Pmin.	Pmax.								
<b>Differential</b>										
01.6MDN1.6	-1.6	1.6	mbar	335	675	1000	3450	±3.5%	±2.5%	±0.5%
02.5MDN2.5	-2.5	2.5	mbar	335	675	1000	3450	±3%	±1.5%	±0.35%
0004MDN004	-4	4	mbar	335	675	1000	3450	±2.5%	±1.25%	±0.35%
0006MDN006	-6	6	mbar	335	675	1000	3450	±2%	±1.25%	±0.35%
0010MDN010	-10	10	mbar	375	750	1250	5450	±2%	±1.25%	±0.25%
0016MDN016	-16	16	mbar	375	750	1250	5450	±2%	±1.25%	±0.25%
0025MDN025	-25	25	mbar	435	850	1350	10450	±2%	±1.25%	±0.25%
<b>Gage</b>										
02.5MG0000	0	2.5	mbar	335	675	1000	3450	±4%	±3%	±0.5%
0004MG0000	0	4	mbar	335	675	1000	3450	±3%	±1.5%	±0.5%
0006MG0000	0	6	mbar	335	675	1000	3450	±3%	±1.5%	±0.35%
0010MG0000	0	10	mbar	335	675	1000	3450	±2%	±1.25%	±0.35%
0016MG0000	0	16	mbar	335	675	1000	3450	±2%	±1.25%	±0.25%
0025MG0000	0	25	mbar	375	750	1250	5450	±2%	±1.25%	±0.25%
0040MG0000	0	40	mbar	375	750	1250	5450	±2%	±1.25%	±0.25%

<sup>1</sup>**Working Pressure:** The maximum pressure that may be applied to any port of the sensor in continuous use. This pressure may be outside the operating pressure range limits (Pmin. to Pmax.) in which case the sensor may not provide a valid output until pressure is returned to within the operating pressure range. Tested to 1 million cycles, minimum.

<sup>2</sup>**Overpressure:** The maximum pressure which may safely be applied to the product for it to remain in specification once pressure is returned to the operating pressure range. Exposure to higher pressures may cause permanent damage to the product. Unless otherwise specified, this applies to all available pressure ports at any temperature within the operating temperature range

<sup>3</sup>**Burst pressure:** The maximum pressure that may be applied to any port of the product without causing escape of pressure media. Product should not be expected to function after exposure to any pressure beyond the burst pressure.

<sup>4</sup>**Common mode pressure:** The maximum pressure that can be applied simultaneously to both ports of a differential pressure sensor without causing changes in specified performance.

<sup>5</sup>**Total Error Band:** The maximum deviation from the ideal transfer function over the entire compensated temperature and pressure range. Includes all errors due to offset, full scale span, pressure non-linearity, pressure hysteresis, repeatability, thermal effect on offset, thermal effect on span, and thermal hysteresis (see Figure 1).

<sup>6</sup>**Total Error Band after Auto-Zero:** The maximum deviation from the ideal transfer function over the entire compensated pressure range at a constant temperature and supply voltage for a minimum of 24 hours after an auto-zero operation. Includes all errors due to full scale span, pressure non-linearity, pressure hysteresis, and thermal effect on span.

# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 8. PRESSURE RANGE SPECIFICATIONS FOR ±160 PA TO ±2.5 KPA DIFFERENTIAL AND 0 PA TO 250 PA TO 0 PA TO 4 KPA GAGE**

PRESSURE RANGE (SEE FIGURE 3.)	PRESSURE RANGE		UNIT	WORKING PRESSURE <sup>1</sup>	OVER PRESSURE <sup>2</sup>	BURST PRESSURE <sup>3</sup>	COMMON MODE PRESSURE <sup>4</sup>	TOTAL ERROR BAND (%FSS) <sup>5</sup>	TOTAL ERROR BAND AFTER AUTO-ZERO <sup>6</sup> (%FSS)	LONG-TERM STABILITY, 1000 HR 25°C (%FSS)
	P <sub>MIN.</sub>	P <sub>MAX.</sub>								
<b>Differential</b>										
0160LDN160	-160	160	Pa	33500	67500	100000	345000	±3.5%	±2.5%	±0.5%
0250LDN250	-250	250	Pa	33500	67500	100000	345000	±3%	±1.5%	±0.35%
0400LDN400	-400	400	Pa	33500	67500	100000	345000	±2.5%	±1.25%	±0.35%
0600LDN600	-600	600	Pa	33500	67500	100000	34500	±2%	±1.25%	±0.35%
0001KDN001	-1	1	kPa	37.5	75	125	545	±2%	±1.25%	±0.25%
01.6KDN1.6	-1.6	1.6	kPa	37.5	75	125	545	±2%	±1.25%	±0.25%
02.5KDN2.5	-2.5	2.5	kPa	43.5	85	135	1045	±2%	±1.25%	±0.25%
<b>Gage</b>										
0250LG0000	0	250	Pa	33500	67500	100000	345000	±4%	±3%	±0.5%
0400LG0000	0	400	Pa	33500	67500	100000	345000	±3%	±1.5%	±0.5%
0600LG0000	0	600	Pa	33500	67500	100000	345000	±3%	±1.5%	±0.35%
0001KG0000	0	1	kPa	33.5	67.5	100	345	±2%	±1.25%	±0.35%
01.6KG0000	0	1.6	kPa	33.5	67.5	100	345	±2%	±1.25%	±0.25%
02.5KG0000	0	2.5	kPa	37.5	75	125	545	±2%	±1.25%	±0.25%
0004KG0000	0	4	kPa	37.5	75	125	545	±2%	±1.25%	±0.25%

- <sup>1</sup>**Working Pressure:** The maximum pressure that may be applied to any port of the sensor in continuous use. This pressure may be outside the operating pressure range limits (P<sub>min.</sub> to P<sub>max.</sub>) in which case the sensor may not provide a valid output until pressure is returned to within the operating pressure range. Tested to 1 million cycles, minimum.
- <sup>2</sup>**Overpressure:** The maximum pressure which may safely be applied to the product for it to remain in specification once pressure is returned to the operating pressure range. Exposure to higher pressures may cause permanent damage to the product. Unless otherwise specified, this applies to all available pressure ports at any temperature within the operating temperature range
- <sup>3</sup>**Burst pressure:** The maximum pressure that may be applied to any port of the product without causing escape of pressure media. Product should not be expected to function after exposure to any pressure beyond the burst pressure.
- <sup>4</sup>**Common mode pressure:** The maximum pressure that can be applied simultaneously to both ports of a differential pressure sensor without causing changes in specified performance.
- <sup>5</sup>**Total Error Band:** The maximum deviation from the ideal transfer function over the entire compensated temperature and pressure range. Includes all errors due to offset, full scale span, pressure non-linearity, pressure hysteresis, repeatability, thermal effect on offset, thermal effect on span, and thermal hysteresis (see Figure 1).
- <sup>6</sup>**Total Error Band after Auto-Zero:** The maximum deviation from the ideal transfer function over the entire compensated pressure range at a constant temperature and supply voltage for a minimum of 24 hours after an auto-zero operation. Includes all errors due to full scale span, pressure non-linearity, pressure hysteresis, and thermal effect on span.

# TRUSTABILITY™ BOARD MOUNT PRESSURE SENSORS, DPR SERIES

**TABLE 9. PRESSURE RANGE SPECIFICATIONS FOR ±0.5 INH<sub>2</sub>O TO ±10 INH<sub>2</sub>O DIFFERENTIAL AND 0 ±0 INH<sub>2</sub>O TO 20 INH<sub>2</sub>O GAGE**

PRESSURE RANGE (SEE FIGURE 3.)	PRESSURE RANGE		UNIT	WORKING PRESSURE <sup>1</sup>	OVER PRESSURE <sup>2</sup>	BURST PRESSURE <sup>3</sup>	COMMON MODE PRESSURE <sup>4</sup>	TOTAL ERROR BAND (%FSS) <sup>5</sup>	TOTAL ERROR BAND AFTER AUTO-ZERO <sup>6</sup> (%FSS)	LONG-TERM STABILITY, 1000 HR 25°C (%FSS)
	P <sub>MIN.</sub>	P <sub>MAX.</sub>								
<b>Differential</b>										
00.5NDN0.5	-0.5	0.5	inH <sub>2</sub> O	135	270	415	1400	±4%	±3%	±0.5%
0001NDN001	-1	1	inH <sub>2</sub> O	135	270	415	1400	±3%	±1.5%	±0.35%
0002NDN002	-2	2	inH <sub>2</sub> O	135	270	415	1400	±2%	±1.25%	±0.35%
0005NDN005	-5	5	inH <sub>2</sub> O	150	300	500	2200	±2%	±1.25%	±0.25%
0010NDN010	-10	10	inH <sub>2</sub> O	175	350	500	4200	±2%	±1.25%	±0.25%
<b>Gage</b>										
0001NG0000	0	1	inH <sub>2</sub> O	135	270	415	1400	±4%	±3%	±0.5%
0002NG0000	0	2	inH <sub>2</sub> O	135	270	415	1400	±3%	±1.5%	±0.35%
0005NG0000	0	5	inH <sub>2</sub> O	135	270	415	1400	±2%	±1.25%	±0.25%
0009NGN.75	-0.75	9	inH <sub>2</sub> O	135	270	415	1400	±2%	±1.25%	±0.25%
0010NG0000	0	10	inH <sub>2</sub> O	150	300	500	2200	±2%	±1.25%	±0.25%
0014NGN.40	-0.40	14	inH <sub>2</sub> O	150	300	500	2200	±2%	±1.25%	±0.25%
0020NG0000	0	20	inH <sub>2</sub> O	175	350	550	4200	±2%	±1.25%	±0.25%

- <sup>1</sup>**Working Pressure:** The maximum pressure that may be applied to any port of the sensor in continuous use. This pressure may be outside the operating pressure range limits (P<sub>min.</sub> to P<sub>max.</sub>) in which case the sensor may not provide a valid output until pressure is returned to within the operating pressure range. Tested to 1 million cycles, minimum.
- <sup>2</sup>**Overpressure:** The maximum pressure which may safely be applied to the product for it to remain in specification once pressure is returned to the operating pressure range. Exposure to higher pressures may cause permanent damage to the product. Unless otherwise specified, this applies to all available pressure ports at any temperature within the operating temperature range
- <sup>3</sup>**Burst pressure:** The maximum pressure that may be applied to any port of the product without causing escape of pressure media. Product should not be expected to function after exposure to any pressure beyond the burst pressure.
- <sup>4</sup>**Common mode pressure:** The maximum pressure that can be applied simultaneously to both ports of a differential pressure sensor without causing changes in specified performance.
- <sup>5</sup>**Total Error Band:** The maximum deviation from the ideal transfer function over the entire compensated temperature and pressure range. Includes all errors due to offset, full scale span, pressure non-linearity, pressure hysteresis, repeatability, thermal effect on offset, thermal effect on span, and thermal hysteresis (see Figure 1).
- <sup>6</sup>**Total Error Band after Auto-Zero:** The maximum deviation from the ideal transfer function over the entire compensated pressure range at a constant temperature and supply voltage for a minimum of 24 hours after an auto-zero operation. Includes all errors due to full scale span, pressure non-linearity, pressure hysteresis, and thermal effect on span.

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FIGURE 4. NOMENCLATURE AND ORDER GUIDE

