

PX2 SERIES

50069942
Issue J

Heavy Duty Pressure Transducers

PX2 Series, 1 bar to 70 bar | 100 kPa to 7 MPa |
15 psi to 1000 psi

DESCRIPTION

Honeywell's PX2 Series Heavy Duty Pressure Transducers are a portfolio of configurable pressure sensors that use piezoresistive sensing technology with ASIC (Application Specific Integrated Circuit) signal conditioning in a stainless steel housing. The PX2 Series is fully calibrated and compensated for offset, sensitivity, temperature effects and non-linearity using the on-board ASIC. These transducers measure absolute, sealed gage, or vented gage pressure. The absolute versions have an internal vacuum reference and an output value proportional to absolute pressure, sealed gage versions have an internal pressure reference of one atmosphere at sea level, and vented gage versions measure pressure with respect to ambient pressure. They are RoHS compliant and are designed and manufactured according to ISO 9001 standards.

VALUE TO CUSTOMERS

- Media compatibility: Common HFC (hydrofluorocarbon) refrigerants such as R410A and R134A, next generation low global warming potential (GWP) refrigerants such as R448A (Solstice® N40), R32 and R1234ZE, engine oil, petroleum-based hydraulic fluids, DOT 3 brake fluid, and dry air. For ammonia and other corrosive media, see Honeywell's SPT Series.
- Enhanced durability: The PX2 Series can operate in the rigorous environments commonly found in HVAC/R and air compressor applications. The sensor can survive at least 10 million pressure cycles and has an ingress protection rating up to IP69K.

POTENTIAL APPLICATIONS

- Industrial: Refrigerant pressure monitoring in HVAC/R systems; air compressor system pressure
- Transportation: Air system monitoring; hydraulic oil pressure monitoring

The PX2 Series is not recommended for use with media involving water, saturated air such as steam and vapor, and ammonia.

FEATURES

- Pressure range: 1 bar to 70 bar | 100 kPa to 7 MPa | 15 psi to 1000 psi
- Pressure reference: Absolute, sealed gage or vented gage
- Pressure port types: 7/16-20 UNF 1/4 in 45° Flare Female Schrader (SAE J512), 7/16-20 UNF 45° Flare Male (SAE J513), 7/16-20 UNF 37° Flare Male (SAE J514), G1/4 (ISO 1179-3), G1/8 (ISO 1179-3), M12 x 1.5 (ISO 6149-3), 1/4-18 NPT, 1/8-27 NPT, 9/16-18 UNF, (SAE J1926-3), or 7/16-20 UNF (SAE J1926-3)
- Electrical connector types: Metri-Pack 150 (UL 94 HB or V-0 options), Micro M12, DIN, Deutsch, or cable harness (1 m, 2 m, 3 m, or 5 m)
- Total Error Band: ± 2.0 %FSS
- Operating and compensated temperature range: -40°C to 125°C [-40°F to 257°F]
- Response time: < 2 ms
- Life: Minimum of 10 million cycles to operating pressure
- Output transfer function: Ratiometric, regulated or current
- Mechanical shock rating: 100 G per MIL-STD-202F, Method 213B, Cond. F



- Vibration rating: 20 G sweep, 10 Hz to 2000 Hz
- Ingress protection: Up to IP69K
- Radiated immunity protection: Up to 100 V/m (ISO 11452-2)
- Flame retardant options: UL 94 HB standard on all electrical terminations; UL 94 V-0 available upon request



PORTFOLIO

Honeywell offers a variety of heavy duty pressure transducers for potential use in aerospace, medical, transportation, agriculture, refrigeration, and industrial applications. To view the entire product portfolio, [click here](#).

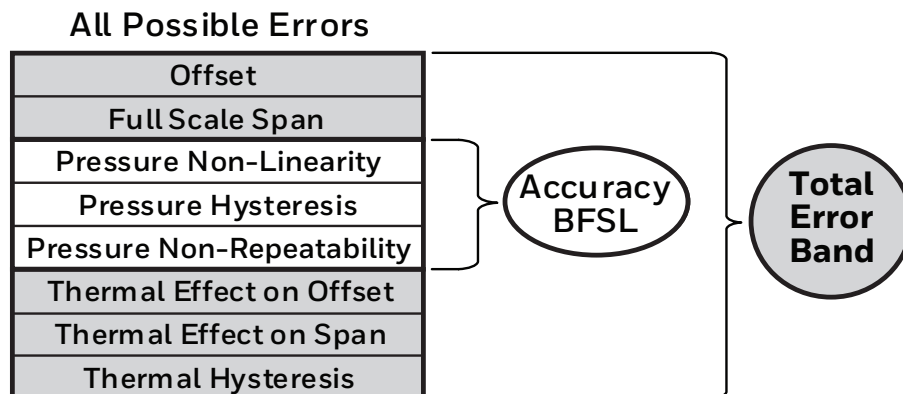
HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 1. PERFORMANCE SPECIFICATIONS¹

| CHARACTERISTIC | PARAMETER |
|--|--|
| Operating temperature range ² | -40°C to 125°C [-40°F to 257°F] |
| Storage temperature range ³ | -40°C to 125°C [-40°F to 257°F] |
| Compensated temperature range ⁴ | -40°C to 125°C [-40°F to 257°F] |
| Overpressure minimum rating ⁵ | (See Table 3.) |
| Burst pressure minimum rating ⁶ | (See Table 3.) |
| Long term stability | ±0.5 %FSS ⁹ (1000 hr at 25°C [77°F]) |
| Accuracy ⁷ | ±0.25 %FSS ⁹ (See Figure 1.) |
| Offset error ⁸ | ±1 %FSS ⁹ |
| Total Error Band ¹⁰ | ±2 %FSS ⁹ (-40°C to 125°C [-40°F to 257°F]) (See Figure 1.) |
| Response time ¹¹ | <2 ms |
| Turn on time ¹² | <7 ms |
| Life ¹³ | minimum of 10 million cycles to operating pressure |

- ¹ All specifications apply at 25°C and under operating conditions unless otherwise noted.
- ² Operating Temperature Range: The temperature range over which the product will produce an output proportional to pressure but may not remain within the specified performance limits.
- ³ Storage Temperature Range: The temperature range over which the product may safely be exposed without excitation or pressure applied. Under these conditions the product will remain in specification after excursion to any temperatures within this range. Exposure to temperatures outside this range may cause permanent damage to the product.
- ⁴ Compensated Temperature Range: The temperature range (or ranges) over which the product will produce an output proportional to pressure within the specified performance limits.
- ⁵ Overpressure: The absolute maximum rating for pressure which may be safely applied to the product for it to remain in specification once pressure is returned to the operating pressure range. Exposure to higher pressure may cause permanent damage to the product.
- ⁶ Burst Pressure: The maximum pressure that may be applied to the product without causing escape of the pressure media. The product should not be expected to function after exposure to any pressure beyond the rated burst pressure. This rating is also the case burst rating of the product.
- ⁷ Accuracy: The maximum deviation in output from a Best Fit Straight Line (BFSL) fitted to the output measured over the pressure range at 25°C. Includes all errors due to pressure non-linearity, pressure hysteresis, and non-repeatability.
- ⁸ Offset Error: the maximum deviation in the output signal obtained when the reference pressure is applied at 25°C relative to the ideal transfer function.
- ⁹ Full Scale Span (FSS): The algebraic difference between the output signal measured at the maximum (Pmax.) and minimum (Pmin.) limits of the pressure range.
- ¹⁰ 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.
- ¹¹ Response Time: The response time of the transducer is the maximum amount of time that the transducer will take for the transducer to output a change from 10% to 90% of full scale in response to a 0% to 100% full scale step input pressure range.
- ¹² Turn On Time: Duration from power applied until first valid output.
- ¹³ Life may vary depending on the application in which transducer is used.

FIGURE 1. TOTAL ERROR BAND (TEB)



HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 2. ELECTRICAL SPECIFICATIONS

| CHARACTERISTIC | RATIOMETRIC OUTPUT | | | | CURRENT OUTPUT | REGULATED OUTPUT | | | | |
|---|---|-----------|-----------|-----------|--------------------------------|-------------------------|-------------------|-------------------|-------------------|--|
| | OUTPUT TRANSFER FUNCTION ORDER CODE ¹ | | | | | | | | | |
| | AA | AB | AC | AD | CH | BC | BD | BE | BG | |
| Output transfer function ¹ : | | | | | | | | | | |
| null output value | 10% of Vs | 5% of Vs | 10% of Vs | 5% of Vs | 4 mA | 1 V | 0.25 V | 0.5 V | 1 V | |
| full scale output value | 90% of Vs | 95% of Vs | 90% of Vs | 95% of Vs | 4 mA | 6 V | 10.25 V | 4.5 V | 5 V | |
| full scale span (FSS) | 80% of Vs | 90% of Vs | 80% of Vs | 90% of Vs | 16 mA | 5 V | 10 V | 4 V | 4 V | |
| operating supply voltage, min. (Vs) ² | 4.75 V | 4.5 V | 3.135 V | 3.135 V | 8 V | 9 V | 13 V | 8 V | 8 V | |
| operating supply voltage, typ. (Vs) ² | 5 V | 5 V | 3.3 V | 3.3 V | — | — | — | — | — | |
| operating supply voltage, max. (Vs) ² | 5.25 V | 5.5 V | 3.465 V | 3.465 V | 30 V ⁴ | 30 V ³ | 30 V ³ | 30 V ³ | 30 V ³ | |
| Supply current (typ.) | 5 mA | | 4 mA | | — | 5.5 mA | | | | |
| Output load (pull up or down): | | | | | | | | | | |
| minimum | 2 kOhm | | | | — | 2 kOhm | | | | |
| maximum | — | | | | (Vs - 8) x 50 Ohm ⁴ | — | | | | |
| Absolute voltage ratings ⁵ : | | | | | | | | | | |
| minimum ⁶ | -16 V | | | | -16 V | -16 V | | | | |
| maximum ⁶ | 16 V | | | | 30 V | 30 V | | | | |
| maximum applied to output pin (short circuit protection) ⁷ | Vs | | | | — | 12 V | | | | |
| EMC rating ⁸ : | | | | | | | | | | |
| CE compliance: | | | | | | | | | | |
| electrostatic discharge | ±4 kV contact, ±8 kV air per IEC 61000-4-2 | | | | | | | | | |
| radiated immunity | 10 V/m (80 MHz to 1000 MHz) per IEC 61000-4-3 | | | | | | | | | |
| fast transient burst | ±1 kV per IEC61000-4-4 | | | | | | | | | |
| immunity to conducted disturbances | 3 V per IEC61000-4-6 | | | | | | | | | |
| radiated emissions | 40 dB 30 MHz to 230 MHz; 47 dB 230 MHz to 1000 MHz per CISPR 11 | | | | | | | | | |
| ISO 11452-2 radiated immunity | 100 V/m 200 MHz to 2 GHz | | | | | 20 V/m 200 MHz to 2 GHz | | | | |

¹ Output transfer function options are shown in the Nomenclature and Order Guide. (See Figure 4.)

² Transducer will not produce valid output when supply voltage is outside of operating range.

³ Applies at 25°C. See Figure 2 for Regulated Output Supply Voltage.

⁴ Applies at 25°C. See Figure 3 for Current Output Supply Voltage.

⁵ Absolute maximum ratings are the extreme limits the device can withstand without damage to the product. Voltages above these ratings may cause permanent damage. Exposure to absolute maximum conditions for extended periods may degrade device reliability.

⁶ Absolute voltage applies to potential across power and ground terminals.

⁷ Short circuit protection between output pin and ground, and output pin and supply pin.

⁸ All EMC ratings verified with the Metri-Pack 150 electrical connector type.

FIGURE 2. REGULATED OUTPUT SUPPLY VOLTAGE

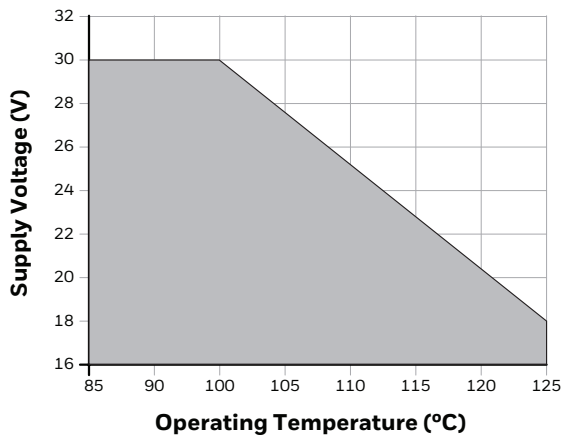
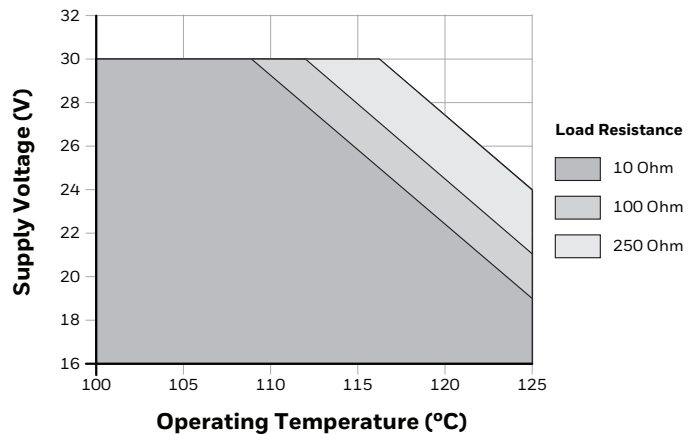


FIGURE 3. CURRENT OUTPUT SUPPLY VOLTAGE



HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 3. PRESSURE RATINGS

| bar | | | kPa | | | MPa | | | psi | | |
|--------------------|---------------|----------------|--------------------|---------------|----------------|--------------------|---------------|----------------|--------------------|---------------|----------------|
| Operating Pressure | Over-pressure | Burst Pressure | Operating Pressure | Over-pressure | Burst Pressure | Operating Pressure | Over-pressure | Burst Pressure | Operating Pressure | Over-pressure | Burst Pressure |
| 1 | 5 | 8 | 100 | 500 | 800 | 1 | 3.1 | 5.1 | 15 | 70 | 115 |
| 1.6 | 5 | 8 | 160 | 1000 | 1700 | 1.6 | 5.2 | 8.6 | 30 | 150 | 250 |
| 2 | 10 | 17 | 250 | 1000 | 1700 | 2.5 | 6.9 | 10.3 | 50 | 250 | 400 |
| 2.5 | 10 | 17 | 400 | 1700 | 2700 | 4 | 6.9 | 10.3 | 100 | 450 | 750 |
| 4 | 17 | 27 | 600 | 3100 | 5100 | 4.6 | 6.9 | 10.3 | 150 | 450 | 750 |
| 6 | 31 | 51 | – | – | – | 6 | 13.8 | 20.6 | 200 | 750 | 1250 |
| 8 | 31 | 51 | – | – | – | 7 | 13.8 | 20.6 | 250 | 750 | 1250 |
| 10 | 31 | 51 | – | – | – | – | – | – | 300 | 1000 | 1500 |
| 16 | 52 | 86 | – | – | – | – | – | – | 500 | 1000 | 1500 |
| 25 | 69 | 103 | – | – | – | – | – | – | 600 | 1000 | 1500 |
| 34 | 69 | 103 | – | – | – | – | – | – | 667 | 1000 | 1500 |
| 40 | 69 | 103 | – | – | – | – | – | – | 750 | 1500 | 2250 |
| 46 | 69 | 103 | – | – | – | – | – | – | 800 | 1500 | 2250 |
| 60 | 138 | 206 | – | – | – | – | – | – | 850 | 2000 | 3000 |
| 70 | 138 | 206 | – | – | – | – | – | – | 1000 | 2000 | 3000 |

TABLE 4. PRESSURE REFERENCE TYPES

| PRESSURE REFERENCE | DESCRIPTION |
|--------------------------|---|
| Absolute | Output is proportional to the difference between applied pressure and a built-in fixed reference to vacuum (zero pressure), where the minimum operating pressure is set to absolute zero pressure (perfect vacuum). |
| Sealed gage ¹ | Output is proportional to the difference between applied pressure and a built-in fixed reference to 1 atmA, where the minimum operating pressure is set to 14.7 psiA (1 atmA). |
| Vented gage ² | Sensor measures pressure relative to ambient pressure. Output is proportional to the difference between applied pressure and atmospheric (ambient) pressure, where the minimum operating pressure is set to atmospheric pressure. |

¹ Sealed gage option only available in pressure ranges at or above 100 psi.

² Vented gage option only available in pressure ranges between 100 psi and 667 psi.

HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 5. ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS

| CHARACTERISTIC | PARAMETER |
|---|--|
| Mechanical shock | 100 G per MIL-STD-202F, Method 213B, Cond. F (at 25°C) |
| Vibration | 20 G sweep, 10 Hz to 2000 Hz (at 25°C) |
| Enclosure rating | per electrical connector type selection (See Table 6.) |
| Wetted materials: port substrate adhesives electronics | 304 stainless steel alumina ceramic epoxy glass, silicon |
| External materials: housing connector: UL 94 HB (standard) UL 94 V-0 (optional) cable jacket | 304 stainless steel PBT 30% GF, black PBT 30% GF, natural (beige) TPE |
| Installation torque | per pressure port type (See Table 7.) |

CAUTION

PRODUCT DAMAGE DUE TO MECHANICAL ISSUES

- Ensure torque specifications are determined for the specific application. Values provided are for reference only. (Mating materials and thread sealants can result in significantly different torque values from one application to the next.)
- When using mating parts made of stainless steel, use a thread sealant with anti-seize properties to prevent thread galling. Ensure the sealant is rated for the application.
- Use appropriate tools (such as an open ended wrench or deep well socket) to install transducers.
- Always hand-start transducers into the hole to prevent cross threading and damage.
- Ensure that torque is not applied to the electrical connector.
- Ensure that the proper mating electrical connector with a seal is used to connect the transducer. Improper or damaged seals can compromise ingress protection, leading to short circuits.

Failure to comply with these instructions may result in product damage.

CAUTION

PRODUCT DAMAGE DUE TO PARTICULATES

- Ensure that a filter is used upstream of the transducer to keep media flow free of larger particulates and increased humidity. All PX2 Series transducers are dead-ended devices; particulate accumulation and condensing moisture may affect sensor output.
- It is recommend that the transducer be positioned with the port facing downwards; any particulates in the system are less likely to enter and settle within the pressure transducer if it is in this position.
- Ensure that the media does not create a residue when dried. Build-up inside the transducer may affect transducer output; rinsing of a dead-ended transducer is potentially difficult and has limited effectiveness in removing residue.

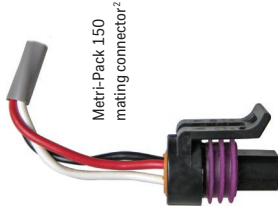
Failure to comply with these instructions may result in product damage.

HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

FIGURE 4. NOMENCLATURE AND ORDER GUIDE

For example, **PX2AN1XX150PABDX** defines a PX2 Series Heavy Duty Pressure Transducer, Metripack 150, standard, electrical connector type, 1/4-18 NPT, pressure port type, 150 psi pressure range, absolute pressure reference, regulated: 0.25 Vdc to 10.25 Vdc output transfer function.

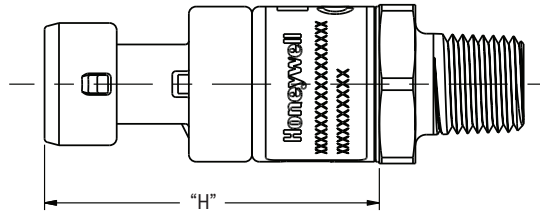
| PX2 Series | A | N1 | XX ⁷ | 150P | A | BD | X ⁷ | |
|------------|--|--|---|--|---|---|----------------|--|
| | Electrical Connector Type | Pressure Port Type | | Pressure Range | Pressure Reference | Output Transfer Function | | |
| | A Metri-Pack 150, Standard (UL 94 HB) ² (For UL 94 V-0 version, see order code J below) | F1 7/16-20 UNF 1/4 in 45° Flare Female Schrader (SAE J51.2) | 001B 1 bar 1.6B 1.6 bar 002B 2 bar 2.5B 2.5 bar 004B 4 bar 006B 6 bar 008B 8 bar 010B 10 bar 016B 16 bar 025B 25 bar 040B 40 bar 046B 46 bar 060B 60 bar 070B 70 bar | 100K 100 kPa 160K 160 kPa 250K 250 kPa 400K 400 kPa 600K 600 kPa 001G 1 MPa 1.6G 1.6 MPa 2.5G 2.5 MPa 004G 4 MPa 4.6G 4.6 MPa 006G 6 MPa 007G 7 MPa | A Absolute S Sealed gage ⁵ G Vented gage ⁶ | AA Ratio-metric: 5.0 V: 10 %/Vs to 90 %/Vs AB Ratio-metric: 5.0 V: 5 %/Vs to 95 %/Vs AC Ratio-metric: 3.3 V: 10 %/Vs to 90 %/Vs AD Ratio-metric: 3.3 V: 5 %/Vs to 95 %/Vs BC Regulated: 1 Vdc to 6 Vdc BD Regulated: 0.25 Vdc to 10.25 Vdc BE Regulated: 0.5 Vdc to 4.5 Vdc BG Regulated: 1 Vdc to 5 Vdc CH Current: 4 mA to 20 mA | | |
| | B Micro M12 (IEC 61076-2) | F2 7/16-20 UNF 45° Flare Male (SAE J51.3) | 015P 1.5 psi 030P 30 psi 050P 50 psi 100P 100 psi 150P 150 psi 200P 200 psi 250P 250 psi 300P 300 psi 500P 500 psi 600P 600 psi 667P 667 psi 750P 750 psi 01KP 1000 psi | | | | | |
| | C DIN (EN 175301-803C) | F3 7/16-20 UNF 37° Flare Male (SAE J51.4) | | | | | | |
| | D Deutsch (DTM 04-3P) | G1 G1/4 (ISO 1179-3) G2 G1/8 (ISO 1179-3) | | | | | | |
| | E Cable harness, 1 meter cable length ³ | M1 M12 x 1.5 (ISO 6149-3) | | | | | | |
| | F Cable harness, 2 meter cable length ³ | N1 1/4-18 NPT | | | | | | |
| | G Cable harness, 3 meter cable length ^{3,4} | N2 1/8-27 NPT | | | | | | |
| | H Cable harness, 5 meter cable length ^{3,4} | S1 9/16-18 UNF (SAE J1926-3) S2 7/16-20 UNF (SAE J1926-3) | | | | | | |
| | J Metri-Pack 150 (UL 94 V-0) ² | | | | | | | |



¹Not all catalog listing combinations are available. Custom products are available. Please contact Honeywell.
²Metri-Pack 150 mating connectors with shielded cable and three 22 AWG wire are available from Honeywell. Order part no. 3685301 for 1 m (3.2 ft) cable length and part no. 3685302 for 3 m (9.8 ft) cable length.
³Three-wire cable is required for ratio-metric and regulated outputs; two-wire cable is required for current output.
⁴Three meter and five meter cables are only available with Output Transfer Function CH = Current, 4 mA to 20 mA.
⁵Sealed gage option only available in pressure ranges at or above 100 psi.
⁶Vented gage option only available in pressure ranges between 100 psi and 667 psi (not available on cable harness configurations).
⁷Reserved for future use.

HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 6. ELECTRICAL CONNECTOR TYPE DIMENSIONS (FOR REFERENCE ONLY: MM/[IN.]



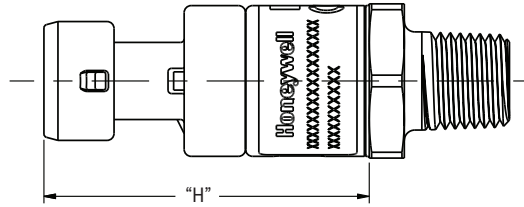
| A METRI-PACK 150, STANDARD (UL 94 HB) | | | B MICRO M12 (IEC 61076-2) | | | C DIN (EN 175301-803C) | | |
|--|----------------|----------------|--|----------------|----------------|--|----------------|----------------|
| J METRI-PACK 150 (UL 94 V-0) | | | | | | | | |
| Connector: DELPHI 12078088 Mating Connector: DELPHI 12110192 IP Rating¹: IP65 (all versions) | | | Connector: IEC 61076-2-101 Mating Connector: 4 POS TYPE D IP Rating¹: IP65/IP67 (absolute, sealed gage versions) , IP65 (vented gage versions) | | | Connector: EN 175301-803C Mating Connector: EN 175301-803C DIN 43650C 8MM IP Rating¹: IP65 (all versions) | | |
| Pin | Voltage Output | Current Output | Pin | Voltage Output | Current Output | Pin | Voltage Output | Current Output |
| A | GND | RTN | 1 | V+ | supply | 1 | GND | RTN |
| B | V+ | supply | 3 | GND | RTN | 2 | V+ | supply |
| C | Vout | NC | 4 | Vout | NC | 3 | Vout | NC |
| | | | | | | PE | NC | NC |

| | | |
|--|--|--|
| | | |
| | | |

¹ IP rating is determined by the electrical connection chosen.

HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 6. ELECTRICAL CONNECTOR TYPE DIMENSIONS (CONTINUED)

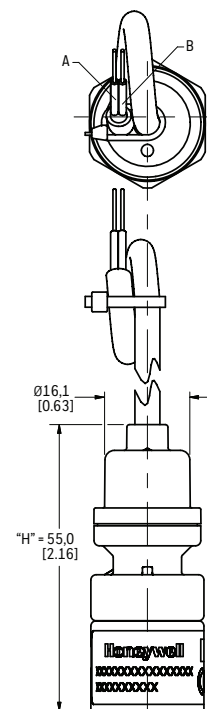
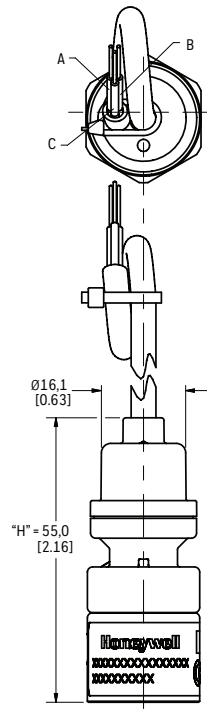
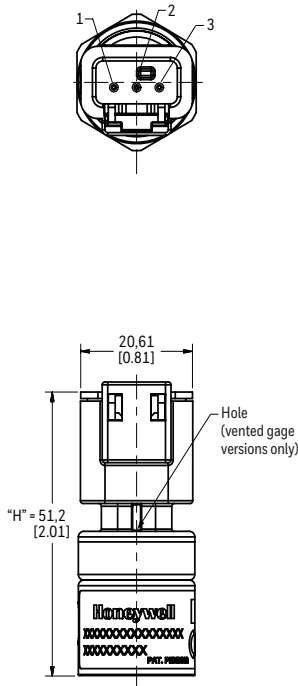


| | |
|---|--|
| D DEUTSCH (DTM04-3P) | E CABLE HARNESS, 1 METER ² F CABLE HARNESS, 2 METER ² G CABLE HARNESS, 3 METER ^{2,3} H CABLE HARNESS, 5 METER ^{2,3} |
|---|--|

Connector: Deutsch DTM04-3P
Mating Connector: DTM06-3S
IP Rating¹: IP65, IP67, IP69K (absolute, sealed gage versions), IP65 (vented gage versions)

Connector: 24 AWG with TPE Jacket
Mating Connector: Flying leads
IP Rating¹: IP65, IP67, IP69K (absolute, sealed gage versions)

| Pin | Voltage Output | Current Output | Wire Color | Voltage Output | Wire Color | Current Output |
|-----|----------------|----------------|------------|----------------|------------|----------------|
| 1 | GND | RTN | red | V+ | red | supply |
| 2 | Vout | NC | black | GND | black | RTN |
| 3 | V+ | supply | white | Vout | | |



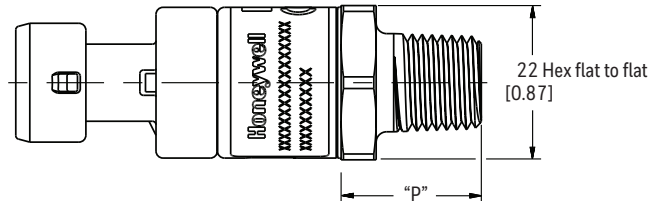
¹ IP rating is determined by the electrical connector type chosen.

² Three-wire cable is required for ratiometric and regulated outputs; two wire cable is required for current output.

³ Three meter and five meter cables are only available with Output Transfer Function **CH** = Current, 4 mA to 20 mA.

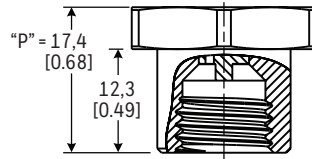
HEAVY DUTY PRESSURE TRANSDUCERS, PX2 SERIES

TABLE 7. PRESSURE PORT TYPE DIMENSIONS (FOR REFERENCE ONLY: MM/[IN].)¹



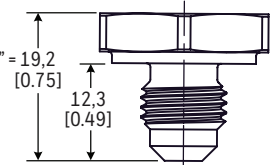
F1 7/16-20 UNF 1/4 in 45° Flare Female Schrader (SAE J512)

Seal: 45° cone
Mating geometry: SAE J512
Installation torque²: 17 N m [12.5 ft-lb]



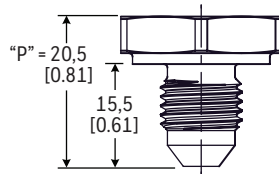
F2 7/16-20 UNF 45° Flare Male (SAE J513)

Seal: 45° cone
Mating geometry: SAE J513
Installation torque²: 1/4 Turn from finger tight



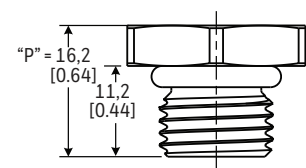
F3 7/16-20 UNF 37° Flare Male (SAE J514)

Seal^{3,4}: 37° cone
Mating Geometry: SAE J514
Installation Torque²: 16 N m [11.8 ft-lb]



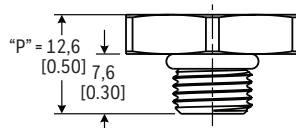
G1 G1/4 (ISO 1179-3)

Seal^{3,4}: O-ring
Mating geometry: ISO 1179-1
Installation torque²: 50 N m [38.9 ft-lb]



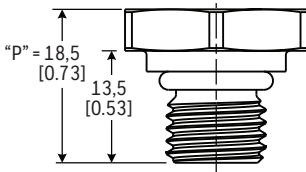
G2 G1/8 (ISO 1179-3)

Seal^{3,4}: O-ring
Mating geometry: ISO 1179-1
Installation torque²: 25 N m [18.4 ft-lb]



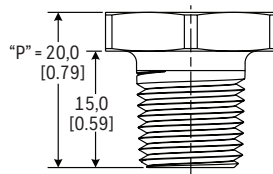
M1 M12 X 1.5 (ISO 6149-3)

Seal³: O-ring
Mating geometry: ISO 6149-1
Installation torque²: 25 N m [18.4 ft-lb]



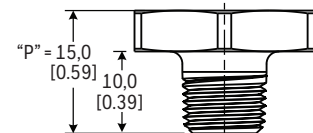
N1 1/4-18 NPT

Seal: pipe thread
Mating geometry: ANSI B1.20.1
Installation torque²: 2 to 3 turns from finger tight



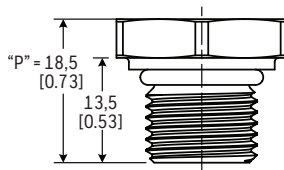
N2 1/8-27 NPT

Seal: pipe thread
Mating geometry: ANSI B1.20.1
Installation torque²: 2 to 3 turns from finger tight



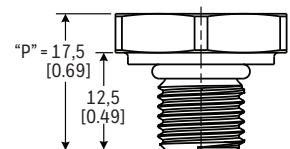
S1 9/16-18 UNF (SAE J1926-3)

Seal^{3,4}: O-ring
Mating geometry: SAE J1926-1
Installation torque²: 30 N m [22.1 ft-lb]



S2 7/16-20 UNF (SAE J1926-3)

Seal^{3,4}: O-ring
Mating geometry: SAE J1926-1
Installation torque²: 18 N m [12.3 ft-lb]



¹ See **CAUTION "PRODUCT DAMAGE DUE TO MECHANICAL ISSUES"** on page 5.

² Straight thread maximum torque is validated to 150% of installation torque.

³ Seals for pressure port type order codes **S1, S2, M1, G1** and **G2** are included and assembled to the sensors.

⁴ O-ring material is nitrile 70 durometer -30°C to 125°C [-22°F to 257°F].

ADDITIONAL MATERIALS

The following associated literature is available at sensing.honeywell.com:

- Product range guide
- Installation instructions
- Application notes
- Technical notes
- CAD models

FOR MORE INFORMATION

Honeywell Sensing and Internet of Things services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or the nearest Authorized Distributor, visit sensing.honeywell.com or call:

| | |
|---------------|---------------------|
| USA/Canada | +1 302 613 4491 |
| Latin America | +1 305 805 8188 |
| Europe | +44 1344 238258 |
| Japan | +81 (0) 3-6730-7152 |
| Singapore | +65 6355 2828 |
| Greater China | +86 4006396841 |

Honeywell Sensing and Internet of Things

830 East Arapaho Road
Richardson, TX 75081
sensing.honeywell.com

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective.

The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

Solstice® N40 is a registered trademark of Honeywell International Inc.

50069942-J-EN | J | 08/20
© 2020 Honeywell International Inc. All rights reserved.

WARNING PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

WARNING MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

Honeywell

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Industrial Pressure Sensors](#) category:

Click to view products by [Honeywell](#) manufacturer:

Other Similar products are found below :

[75380-05](#) [76053-00000300-01](#) [76053-00000300-05](#) [76061-00000015-01](#) [76062-B00000350-01](#) [76063-00000350-05](#) [76083-05000500-01](#)
[76311-05](#) [76577-00000070-01](#) [76584-M00000100-24](#) [77343-24.0H2-01](#) [77343-25.0H2-01](#) [78291-B00000060-01](#) [78303-B00000400-01](#)
[78303-B00000400-05](#) [78316-B00000030-01](#) [78353-B00000020-05](#) [78665-00000014-05](#) [78677-B00000070-05](#) [78678-00000040-01](#) [79279-](#)
[00000060-01](#) [79296-B00000350-01](#) [79322-00250035-01](#) [79614-30.0H2-14](#) [79670-00000090-15](#) [79700-00002750-01](#) [79917-B00000280-01](#)
[80569-00700100-01](#) [81509081](#) [81739-B00000900-01](#) [81807-B00000020-01](#) [MLH010BST01A](#) [MLH010BST14A](#) [MLH025BGC13B](#)
[MLH025BSCDJ1292](#) [MLH025BSCDJ1303](#) [MLH750PSCDJ1245](#) [82903-B00000020-01](#) [83250-02500600-05](#) [83271-00000040-04](#) [83278-](#)
[B00000200-21](#) [83286-00000150-01](#) [83299-00000150-05](#) [83303-00000600-01](#) [83305-00001350-01](#) [83330-00000100-01](#) [83349-00001470-24](#)
[83350-04.0HG-05](#) [83350-15.0H2-05](#) [83357-00000030-21](#)