

PBT Pressure transmitter for general industrial applications



according to IEC 61298-2), respectively.

A large variety of customary process connectors is available as standard. As an option, the PBT is available with an extended medium temperature range up to 100 °C.

The pressure transmitter is characterized by its simple and quick installation. The device has a compact design and can be used in limited installation space.

The PBT is wear-free and does not require maintenance.

The PBT offers the industry standard output signals 4...20mA, 0...5 V or 0...10 V. For electrical connection, M12x1 connectors, L-connectors according to DIN 175301-803 A, and cable outlets are available.

Advantages

- Excellent price-performance ratio
- No moving parts: No mechanical wear, fatigue-proof
- Maintenance-free
- Insensitive against corrosive media through hermetically sealed stainless steel membrane
- Quick and simple installation



The pressure transmitter PBT is designed for pressure measurement in liquid and gaseous media. The PBT is suited for general industrial applications such as machine and plant engineering, in machine tool systems, in hydraulic and pneumatic systems, for pressure control systems and for pumps and compressors.

The PBT has a circularly welded stainless steel membrane. Hence, it is well suited for a large variety of corrosive media.

The measurement ranges for gauge pressure are available from 0...1 bar to 0...600 bar. In addition, the PBT offers absolute and compound ranges. The PBT is available in two accuracy classes with non-linearities of $\leq \pm 0.5\%$ and $\leq \pm 0.25\%$ of span (BFSL,

Technical Data

| Configurations | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
|----------------|-----------------|---------------------|---------------------|-----------------|---------------------|---------------------|----------------|
| | bar | 0...1 | 2 | 5 | 0...40 | 80 | 400 |
| | bar | 0...1.6 | 3.2 | 10 | 0...60 | 120 | 550 |
| | bar | 0...2.5 | 5 | 10 | 0...100 | 200 | 800 |
| | bar | 0...4 | 8 | 17 | 0...160 | 320 | 1000 |
| | bar | 0...6 | 12 | 34 | 0...250 | 500 | 1200 |
| | bar | 0...10 | 20 | 34 | 0...400 | 800 | 1700 |
| | bar | 0...16 | 32 | 100 | 0...600 | 1200 | 2400 |
| | bar | 0...25 | 50 | 100 | | | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| bar abs | 0...1 | 2 | 5 | 0...6 | 12 | 34 | |
| bar abs | 0...1.6 | 3.2 | 10 | 0...10 | 20 | 34 | |
| bar abs | 0...2.5 | 5 | 10 | 0...16 | 32 | 100 | |
| bar abs | 0...4 | 8 | 17 | 0...25 | 50 | 100 | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| bar | -1...+9 | 20 | 34 | -1...+24 | 50 | 100 | |
| bar | -1...+15 | 32 | 100 | | | | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| MPa | 0...0.1 | 0.2 | 0.5 | 0...4 | 8 | 40 | |
| MPa | 0...0.16 | 0.32 | 1 | 0...6 | 12 | 55 | |
| MPa | 0...0.25 | 0.5 | 1 | 0...10 | 20 | 80 | |
| MPa | 0...0.4 | 0.8 | 1.7 | 0...16 | 32 | 100 | |
| MPa | 0...0.6 | 1.2 | 3.4 | 0...25 | 50 | 120 | |
| MPa | 0...1 | 2 | 3.4 | 0...40 | 80 | 170 | |
| MPa | 0...1.6 | 3.2 | 10 | 0...60 | 120 | 240 | |
| MPa | 0...2.5 | 5 | 10 | | | | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| MPa abs | 0...0.1 | 0.2 | 0.5 | 0...0.6 | 1.2 | 3.4 | |
| MPa abs | 0...0.16 | 0.32 | 1 | 0...1 | 2 | 3.4 | |
| MPa abs | 0...0.25 | 0.5 | 1 | 0...1.6 | 3.2 | 10 | |
| MPa abs | 0...0.4 | 0.8 | 1.7 | 0...2.5 | 5.0 | 10 | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| MPa | -0.1...+0.9 | 2 | 3.4 | -0.1...+2.4 | 5.0 | 10 | |
| MPa | -0.1...+1.5 | 3.2 | 10 | | | | |
| Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure | |
| psi | 0...15 | 30 | 75 | 0...500 | 1000 | 2500 | |
| psi | 0...25 | 60 | 150 | 0...1000 | 1740 | 7975 | |
| psi | 0...30 | 60 | 150 | 0...1500 | 2900 | 11600 | |
| psi | 0...50 | 100 | 250 | 0...2000 | 4000 | 14500 | |
| psi | 0...100 | 200 | 500 | 0...3000 | 6000 | 17400 | |
| psi | 0...160 | 290 | 500 | 0...5000 | 10000 | 24650 | |
| psi | 0...200 | 400 | 1500 | 0...8000 | 17400 | 34800 | |
| psi | 0...300 | 600 | 1500 | | | | |

Technical Data

| Configurations | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
|----------------|------------------------|-----------------|---------------------|----------------|-----------------|---------------------|----------------|
| | psi abs | 0...15 | 30 | 75 | 0...100 | 200 | 500 |
| | psi abs | 0...25 | 60 | 150 | 0...150 | 290 | 500 |
| | psi abs | 0...30 | 60 | 150 | 0...200 | 400 | 1500 |
| | psi abs | 0...50 | 100 | 250 | 0...300 | 600 | 1500 |
| | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
| | psi | -30 InHg...+160 | 400 | 1500 | -30 InHg...+300 | 600 | 1500 |
| | psi | -30 InHg...+200 | 400 | 1500 | | | |
| | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
| | kg/cm ² | 0...1 | 2 | 5 | 0...40 | 80 | 400 |
| | kg/cm ² | 0...1.6 | 3.2 | 10 | 0...60 | 120 | 550 |
| | kg/cm ² | 0...2.5 | 5 | 10 | 0...100 | 200 | 800 |
| | kg/cm ² | 0...4 | 8 | 17 | 0...160 | 320 | 1000 |
| | kg/cm ² | 0...6 | 12 | 34 | 0...250 | 500 | 1200 |
| | kg/cm ² | 0...10 | 20 | 34 | 0...400 | 800 | 1700 |
| | kg/cm ² | 0...16 | 32 | 100 | 0...600 | 1200 | 2400 |
| | kg/cm ² | 0...25 | 50 | 100 | | | |
| | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
| | kg/cm ² abs | 0...1 | 2 | 5 | 0...6 | 12 | 34 |
| | kg/cm ² abs | 0...1.6 | 3.2 | 10 | 0...10 | 20 | 34 |
| | kg/cm ² abs | 0...2.5 | 5 | 10 | 0...16 | 32 | 100 |
| | kg/cm ² abs | 0...4 | 8 | 17 | 0...25 | 50 | 100 |
| | Unit | Pressure ranges | Overpressure safety | Burst pressure | Pressure ranges | Overpressure safety | Burst pressure |
| | kg/cm ² | -1...+9 | 20 | 34 | -1...+24 | 50 | 100 |
| | kg/cm ² | -1...+15 | 32 | 100 | | | |

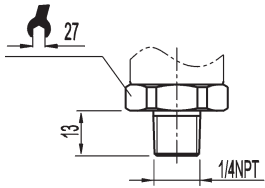
Technical Data

| | | |
|---|--|---|
| Vacuum resistance | For measurement ranges from 0 ... 10 bar | |
| Fatigue life | 10 Mio. max. load cycles | |
| Materials | | |
| ■ Wetted parts | | |
| » Pressure Connection | 316 L | |
| » Pressure sensor | 316 L (for measurement ranges from 0 ... 10 bar rel 13-8 PH) | |
| ■ Internal transmission fluid | Silicone oil (only with pressure ranges < 0 ... 10 bar and ≤ 0 ... 25 bar abs) | |
| ■ Case | 316 L | |
| Supply voltage L ⁺ | 8 ... 30 VDC 14 ... 30 (required for output signal 0 ... 10 VDC) | |
| Signal output and maximum ohmic load R _A | 4 ... 20 mA, 2-wire R _A ≤ (L ⁺ - 8 V) / 0.02 A [Ohm] 0 ... 10 V, 3-wire R _A > 10 kOhm 0... 5 V, 3-wire R _A > 5 kOhm | |
| Response time | < 4 ms | |
| Current consumption | Signal current (max. 25 mA) for current output Max. 8 mA for voltage output signal | |
| Insulation voltage | 500 VDC ¹⁾ | |
| | ¹⁾ For power supply, use a circuit with energy limitation (EN/UL/IEC 61010-1, section 9.3) with the following maximum values for the current: L ⁺ = 30 V (DC): 5 A. Provide a separate switch for the external power supply. Alternative for North America: The connection may also be made to „Class 2 Circuits“ or „Class 2, Power Units“ according to CEC (Canadian Electrical Code) or NEC (National Electrical Code). | |
| Non-linearity | ≤ ± 0.25 % of span (optional) (BFSL) according to IEC 61298-2 ≤ ± 0.5 % of span (BFSL) according to IEC 61298-2 Adjusted in vertical mounting position with lower pressure connection | |
| Accuracy ²⁾ | ≤ ± 0.5 % of span (with non-linearity 0.25 %) ≤ ± 0.6 % of span (with non-linearity 0.25 % and with signal output 0 ... 5 V) ≤ ± 1.0 % of span (with non-linearity 0.5 %) | |
| | ²⁾ Including non-linearity, hysteresis, zero point and full scale error (corresponds to error of measurement per IEC 61298-2) | |
| Zero offset | ≤ 0.15 typ.. ≤ 0.4 max. % of span (with non-linearity 0.25 %) ≤ 0.5 typ.. ≤ 0.8 max. % of span (with non-linearity 0.5 %) | |
| Hysteresis | ≤ 0.16 % of span | |
| Non-repeatability | ≤ 0.1 % of span | |
| Long-term drift | ≤ 0.1 % of span according to IEC 61298-2 | |
| Signal noise | ≤ 0.3 % of span | |
| Permissible temperature of | | |
| ■ Medium | 0 ... +80 °C | -30 ... +100 °C optionally available |
| ■ Ambience | 0 ... +80 °C | -30 ... +100 °C optionally available |
| ■ Storage | -20 ... +80 °C | -30 ... +100 °C optionally available |
| Rated temperature range | 0 ... +80 °C | |
| Temperature error within rated temperature range | ≤ 1.0 typ.. ≤ 2.5 max. % of span | |
| RoHS-conformity | Yes | |
| CE-conformity | | |
| ■ Pressure equipment directive | 97/23/EC | |
| ■ EMC directive | 2004/108/EC EN 61 326-2-3 | |
| Shock resistance | 500g according to IEC 60068-2-27 | (mechanical shock) |
| Vibration resistance | 10g according to IEC 60068-2-6 | (vibration under resonance) {20 g on request} |
| Wiring protection | | |
| ■ Overvoltage protection | 32 VDC; 36 VDC with 4 ... 20 mA | |
| ■ Short-circuit proofness | Q _A towards M | |
| ■ Reverse polarity protection | L ⁺ towards M | |
| Reference conditions | According to IEC 61298-1 | |
| ■ Relative humidity | 45 ... 75% | |
| Weight | Approx. 80g | |

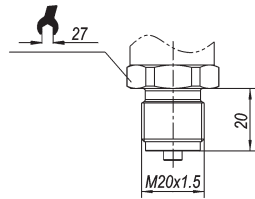
Dimensions in mm

Pressure connections

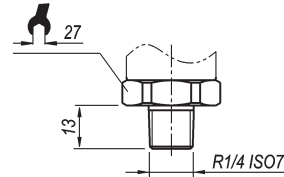
1/4" NPT



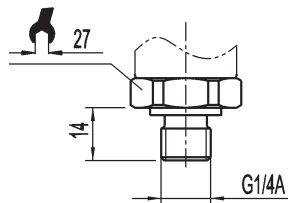
M 20 x 1,5
with sealing copper
or stainless steel



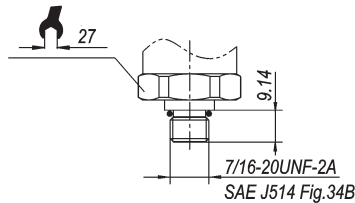
R 1/4 ISO 7



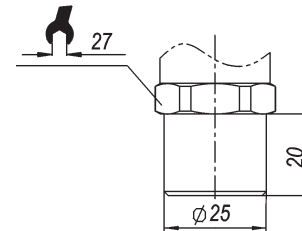
G 1/4
DIN 3852-E
with sealing NBR or FKM
over pressure safety max. 600 bar



7/16-20 UNF
with Boss O-ring FKM
max. permitted temperature
-10 ... +100 °C



G 1/4 female
EN 837
with sealing copper
or stainless steel

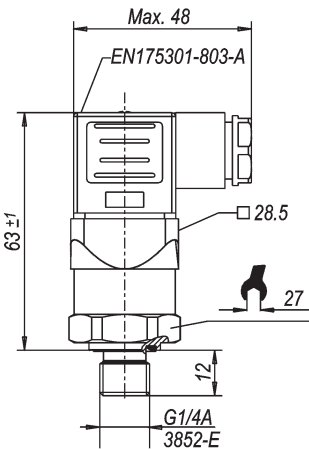


Pressure port (0.3 or 0.6 mm) and extended pressure port on request

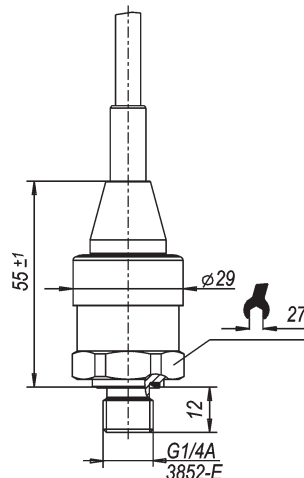
Electrical connectors

Ingress protection IP per IEC 60529. The ingress protection classes specified only apply while the pressure transmitter is connected with female connectors that provide the corresponding ingress protection.

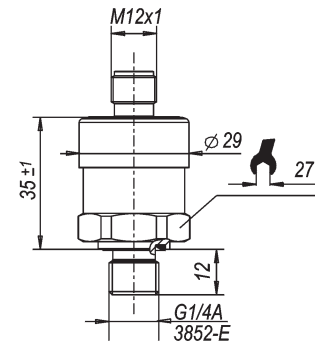
DIN 175301-803 A
L-connector
for conductor cross section up
to max. 1.5 mm²,
conductor outer diameter
6-8 mm, IP 65



Flying leads,
conductor cross section
3x 0.34 mm²,
conductor outer diameter
6.6 mm,
PUR cable - unshielded, IP 67



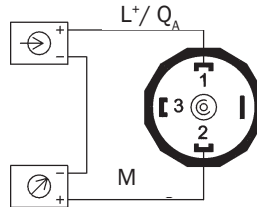
M 12x1, 4-pin
IP 67



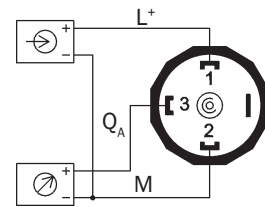
Electrical connections

DIN 175301-803 A
L-connector

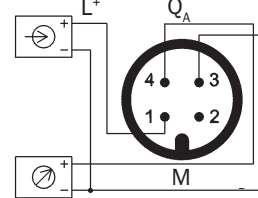
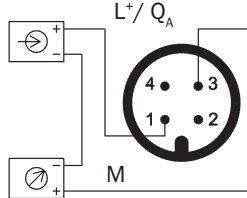
2-wire



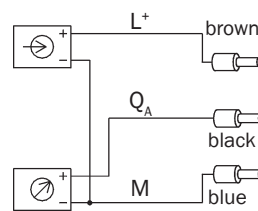
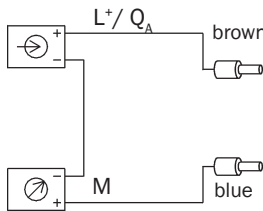
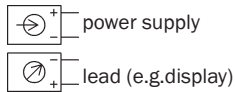
3-wire



M 12x1, 4-pin
without angle socket or
female cable connectors



Flying leads



Accessories

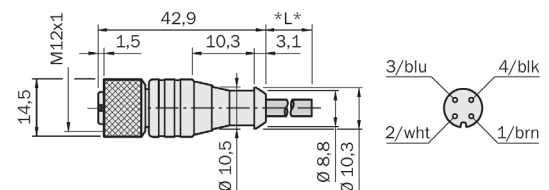
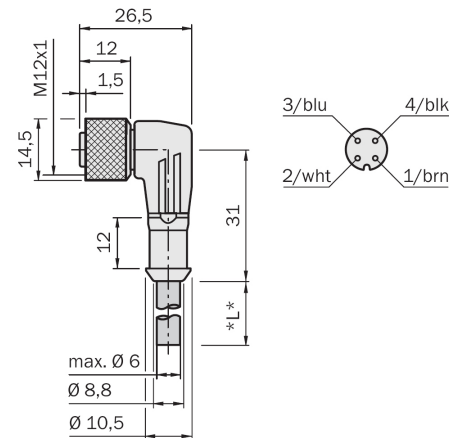
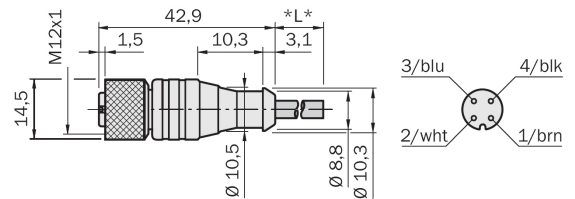
PVC circular plug-in connector, M12, 4-pin



| | | | | | | | | |
|-----|---|----|----|---|---|-----|---------|------|
| DOL | - | 12 | 04 | - | G | 02M | 6009382 | 2 m |
| DOL | - | 12 | 04 | - | G | 05M | 6009866 | 5 m |
| DOL | - | 12 | 04 | - | G | 10M | 6010543 | 10 m |
| DOL | - | 12 | 04 | - | G | 15M | 6010753 | 15 m |
| DOL | - | 12 | 04 | - | G | 20M | 6034401 | 20 m |

| | | | | | | | | |
|-----|---|----|----|---|---|-----|---------|------|
| DOL | - | 12 | 04 | - | W | 02M | 6009383 | 2 m |
| DOL | - | 12 | 04 | - | W | 05M | 6009867 | 5 m |
| DOL | - | 12 | 04 | - | W | 10M | 6010541 | 10 m |
| DOL | - | 12 | 04 | - | W | 15M | 6036474 | 15 m |
| DOL | - | 12 | 04 | - | W | 20M | 6033559 | 20 m |

| | | | | | | | | | |
|-----|---|----|----|---|---|-----|-----|---------|--------------------------|
| DOL | - | 12 | 04 | - | G | 01M | S02 | 6033686 | 1 m, coating colour gray |
| DOL | - | 12 | 04 | - | G | 04M | S02 | 6033687 | 4 m, coating colour gray |
| DOL | - | 12 | 04 | - | G | 05M | S02 | 6033688 | 5 m, coating colour gray |
| DOL | - | 12 | 04 | - | G | 07M | S02 | 6033690 | 7 m, coating colour gray |



PUR circular plug-in connector M12, 4-pin

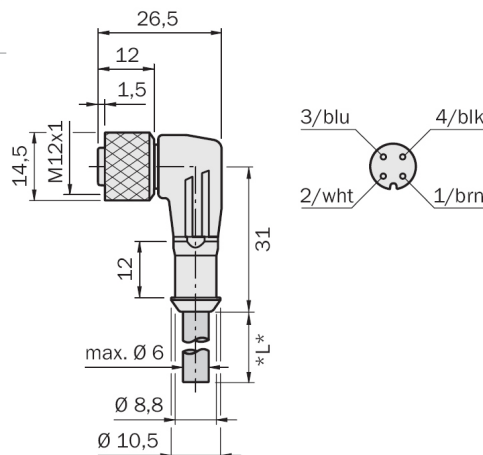
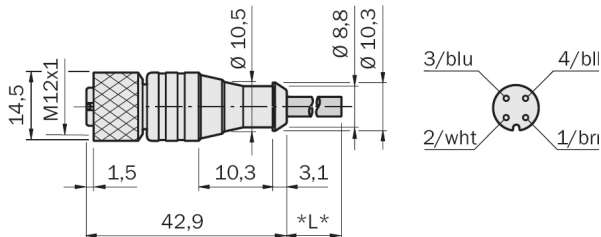
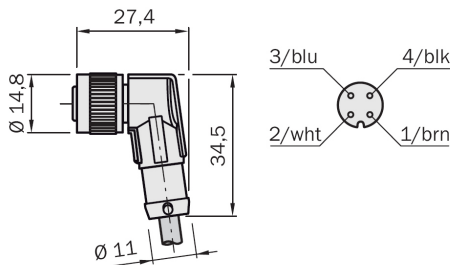
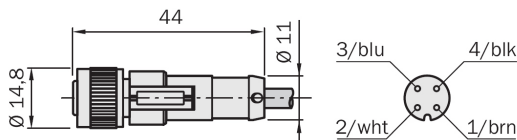


| | | | | | | | | | |
|-----|---|----|----|---|---|-----|---|---------|------|
| DOL | - | 12 | 04 | - | G | 02M | C | 6025900 | 2 m |
| DOL | - | 12 | 04 | - | G | 05M | C | 6025901 | 5 m |
| DOL | - | 12 | 04 | - | G | 10M | C | 6025902 | 10 m |
| DOL | - | 12 | 04 | - | G | 15M | C | 6034749 | 15 m |
| DOL | - | 12 | 04 | - | G | 20M | C | 6034750 | 20 m |
| DOL | - | 12 | 04 | - | G | 25M | C | 6034751 | 25 m |

| | | | | | | | | | |
|-----|---|----|----|---|---|-----|---|---------|------|
| DOL | - | 12 | 04 | - | W | 02M | C | 6025903 | 2 m |
| DOL | - | 12 | 04 | - | W | 05M | C | 6025904 | 5 m |
| DOL | - | 12 | 04 | - | W | 10M | C | 6025905 | 10 m |
| DOL | - | 12 | 04 | - | W | 15M | C | 6034752 | 15 m |
| DOL | - | 12 | 04 | - | W | 20M | C | 6034753 | 20 m |
| DOL | - | 12 | 04 | - | W | 25M | C | 6034754 | 25 m |

| | | | | | | | | | |
|-----|---|----|----|---|---|-----|---|---------|--------------------------|
| DOL | - | 12 | 04 | - | G | 05M | D | 6026250 | 5 m, welding spark-proof |
|-----|---|----|----|---|---|-----|---|---------|--------------------------|

| | | | | | | | | | |
|-----|---|----|----|---|---|-----|---|---------|--------------------------|
| DOL | - | 12 | 04 | - | W | 05M | D | 6020399 | 5 m, welding spark-proof |
|-----|---|----|----|---|---|-----|---|---------|--------------------------|



Type code

| | PBT | | | | | | | | | | | | | | | | | | |
|--------------------------|-----|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pressure type | | | | | | | | | | | | | | | | | | | |
| Gauge | | R | | | | | | | | | | | | | | | | | |
| Absolute | | A | | | | | | | | | | | | | | | | | |
| Compound | | C | | | | | | | | | | | | | | | | | |
| Pressure unit | | | | | | | | | | | | | | | | | | | |
| bar | | | B | | | | | | | | | | | | | | | | |
| Mpa | | | M | | | | | | | | | | | | | | | | |
| psi | | | P | | | | | | | | | | | | | | | | |
| kg/cm ² | | | K | | | | | | | | | | | | | | | | |
| Measurement Range | | | | | | | | | | | | | | | | | | | |
| bar / Gauge Pressure | | | | | | | | | | | | | | | | | | | |
| 0...1 bar | | | | 1 | x | 0 | | | | | | | | | | | | | |
| 0...1.6 bar | | | | 1 | x | 6 | | | | | | | | | | | | | |
| 0...2.5 bar | | | | 2 | x | 5 | | | | | | | | | | | | | |
| 0...4 bar | | | | 4 | x | 0 | | | | | | | | | | | | | |
| 0...6 bar | | | | 6 | x | 0 | | | | | | | | | | | | | |
| 0...10 bar | | | | 0 | 1 | 0 | | | | | | | | | | | | | |
| 0...16 bar | | | | 0 | 1 | 6 | | | | | | | | | | | | | |
| 0...25 bar | | | | 0 | 2 | 5 | | | | | | | | | | | | | |
| 0...40 bar | | | | 0 | 4 | 0 | | | | | | | | | | | | | |
| 0...60 bar | | | | 0 | 6 | 0 | | | | | | | | | | | | | |
| 0...100 bar | | | | 1 | 0 | 0 | | | | | | | | | | | | | |
| 0...160 bar | | | | 1 | 6 | 0 | | | | | | | | | | | | | |
| 0...250 bar | | | | 2 | 5 | 0 | | | | | | | | | | | | | |
| 0...400 bar | | | | 4 | 0 | 0 | | | | | | | | | | | | | |
| 0...600 bar | | | | 6 | 0 | 0 | | | | | | | | | | | | | |
| bar / Absolute | | | | | | | | | | | | | | | | | | | |
| 0...1 bar abs | | | | 1 | x | 0 | | | | | | | | | | | | | |
| 0...1.6 bar abs | | | | 1 | x | 6 | | | | | | | | | | | | | |
| 0...2.5 bar abs | | | | 2 | x | 5 | | | | | | | | | | | | | |
| 0...4 bar abs | | | | 4 | x | 0 | | | | | | | | | | | | | |
| 0...6 bar abs | | | | 6 | x | 0 | | | | | | | | | | | | | |
| 0...10 bar abs | | | | 0 | 1 | 0 | | | | | | | | | | | | | |
| 0...16 bar abs | | | | 0 | 1 | 6 | | | | | | | | | | | | | |
| 0...25 bar abs | | | | 0 | 2 | 5 | | | | | | | | | | | | | |
| bar / Compound Range | | | | | | | | | | | | | | | | | | | |
| -1...+9 bar | | | | 0 | 1 | 0 | | | | | | | | | | | | | |
| -1...+15 bar | | | | 0 | 1 | 6 | | | | | | | | | | | | | |
| -1...+24 bar | | | | 0 | 2 | 5 | | | | | | | | | | | | | |

PBT

Measurement Range

| | | | |
|-----------------------|---|---|---|
| psi Gauge Pressure | | | |
| 0...15 psi | 0 | 1 | 5 |
| 0...25 psi | 0 | 2 | 5 |
| 0...30 psi | 0 | 3 | 0 |
| 0...50 psi | 0 | 5 | 0 |
| 0...100 psi | 1 | 0 | 0 |
| 0...160 psi | 1 | 6 | 0 |
| 0...200 psi | 2 | 0 | 0 |
| 0...300 psi | 3 | 0 | 0 |
| 0...500 psi | 5 | 0 | 0 |
| 0...1000 psi | 1 | K | 0 |
| 0...1500 psi | 1 | K | 5 |
| 0...2000 psi | 2 | K | 0 |
| 0...3000 psi | 3 | K | 0 |
| 0...5000 psi | 5 | K | 0 |
| 0...8000 psi | 8 | K | 0 |
| psi Absolute Pressure | | | |
| 0...15 psi abs | 0 | 1 | 5 |
| 0...25 psi abs | 0 | 2 | 5 |
| 0...30 psi abs | 0 | 3 | 0 |
| 0...50 psi abs | 0 | 5 | 0 |
| 0...100 psi abs | 1 | 0 | 0 |
| 0...150 psi abs | 1 | 5 | 0 |
| 0...200 psi abs | 2 | 0 | 0 |
| 0...300 psi abs | 3 | 0 | 0 |
| psi Compound Range | | | |
| -30 InHg...+160 psi | 1 | 6 | 0 |
| -30 InHg...+200 psi | 2 | 0 | 0 |
| -30 InHg...+300 psi | 3 | 0 | 0 |

| PBT | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|
| Non-Linearity / Accuracy | | | | | | | | | | | | | | | | | | |
| +/-0.5% non-linearity, % of span (BFSL) | | | | | | | | | | | | | | | | | S | |
| +/-0.25% non-linearity, % of span (BFSL) | | | | | | | | | | | | | | | | | A | |
| Process Connector | | | | | | | | | | | | | | | | | | |
| G 1/4 A according to DIN 3852-E | | | | | | | | | | | | | | | | | G1 | |
| G 1/4 female | | | | | | | | | | | | | | | | | G2 | |
| 1/4 NPT | | | | | | | | | | | | | | | | | N1 | |
| M20 x 1.5 | | | | | | | | | | | | | | | | | M2 | |
| 7/16"-20 UNF SAE #4 J514 male | | | | | | | | | | | | | | | | | U1 | |
| R 1/4 ISO 7 (DIN2999) | | | | | | | | | | | | | | | | | R1 | |
| Pressure Port | | | | | | | | | | | | | | | | | | |
| Standart | | | | | | | | | | | | | | | | | S | |
| 0.3 mm pressure port ¹⁾²⁾ | | | | | | | | | | | | | | | | | N | |
| 0.6 mm pressure port ¹⁾ | | | | | | | | | | | | | | | | | M | |
| Process Temperature | | | | | | | | | | | | | | | | | | |
| 0...+80degC | | | | | | | | | | | | | | | | | S | |
| -30...+100degC | | | | | | | | | | | | | | | | | E | |
| Sealing | | | | | | | | | | | | | | | | | | |
| NBR | | | | | | | | | | | | | | | | | N | |
| FPM/FKM | | | | | | | | | | | | | | | | | F | |
| Copper | | | | | | | | | | | | | | | | | C | |
| Stainless steel | | | | | | | | | | | | | | | | | S | |
| without sealing | | | | | | | | | | | | | | | | | O | |
| Output Signal | | | | | | | | | | | | | | | | | | |
| 4...20mA, 2-wire | | | | | | | | | | | | | | | | | A | |
| 0...10V, 3-wire ³⁾ | | | | | | | | | | | | | | | | | V | |
| 0...5V, 3-wire | | | | | | | | | | | | | | | | | U | |
| Electrical Connector | | | | | | | | | | | | | | | | | | |
| M12 x 1, 4-pin, IP 67 | | | | | | | | | | | | | | | | | M | |
| L-connector DIN EN 175301-803 A, IP 65 | | | | | | | | | | | | | | | | | L | |
| flying leads, 2 m, IP67 | | | | | | | | | | | | | | | | | 2 | |
| flying leads, 5 m, IP68 | | | | | | | | | | | | | | | | | 5 | |
| Supply Voltage | | | | | | | | | | | | | | | | | | |
| 8...30 VDC | | | | | | | | | | | | | | | | | A | |
| 14...30 VDC | | | | | | | | | | | | | | | | | C | |

¹⁾ Only with G 1/4 A according to DIN 3852 E
²⁾ ≥ 10 bar
³⁾ Requires supply voltage 14 ... 30VDC

Notes

Australia

Phone +61 3 9497 4100
1800 33 48 02 - tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +852-2763 6966
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-250
E-Mail info@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

Republic of Korea

Phone +82-2 786 6321/4
E-Mail kang@sickkorea.net

Republika Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7 495 775 05 34
E-Mail info@sick-automation.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sickgrc@ms6.hinet.net

Türkiye

Phone +90 216 587 74 00
E-Mail info@sick.com.tr

USA/Canada/México

Phone +1(952) 941-6780
1 800-325-7425 - tollfree
E-Mail info@sickusa.com

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in all major industrial nations at
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