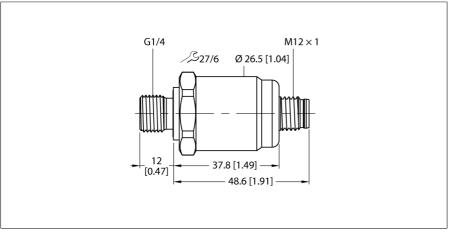
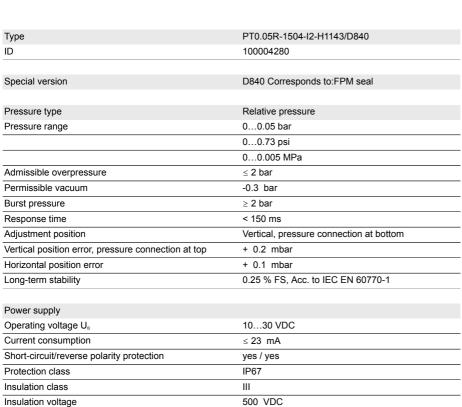


Pressure Transmitter With Current Output (2-Wire) PT0.05R-1504-I2-H1143/D840



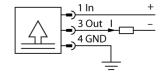


Outputs	
Output 1	Analog output
Analog output	
Current output	420 mA
Load	\leq (supply voltage -10)/20 k Ω
Resolution	< ± 0.1 % FS
Accuracy LHR	±0.35 % FS (FS < 100 mbar ±0.7 % FS)
Temperature behaviour	
Medium temperature	-15+85 °C
Temperature coefficient span TkS	± 0.07 % FS/10 K



- Ceramic measuring cell
- Extremely high measuring accuracy
- Compact and robust design
- Excellent temperature behavior
- Pressure range 0...50 mbar rel.
- 10...30 VDC
- Analog output 4...20 mA
- Process connection G1/4" male thread (back sealing) according to DIN EN ISO 1179-2 with FPM profile sealing ring
- Connector device, M12 × 1

Wiring Diagram





Functional principle

The pressure sensors in the PT...-1500 product series operate with a ceramic measuring cell in various micropressure ranges of up to -100...600 mbar in 2- or 3-wire technology. Depending on the sensor variant, the processed signal is available as an analog output signal (4...20 mA, 0...10 V, 0...5 V, ratiometric).

In addition to the standard variants, there are special sensors for uses such as ATEX areas.



-25+85 °C
-40+85 °C
20 g, 152000 Hz, 1525 Hz with amplitude ± 15 mm, 1 octave/minute in all 3 directions, 50 continuous loads, according to IEC 68-2-6
50 g, 6 ms, half sinusoidal curve, all 6 directions, free fall from 1 m onto concrete (6x) acc. to IEC 68-2-27
Stainless-steel/Plastic, 1.4404 (AISI 316L)/polyary-lamide 50 % GF UL 94 V-0
Stainless steel 1.4404 (AISI 316L)
Ceramic AI□O□
FPM
G1/4" male thread (back sealing) according to DIN EN ISO 1179-2 with FPM profile sealing ring
27
Connector, M12 × 1
27 Nm
15+25 °C
8001060 hPa abs.
45 % rel.
24 VDC
cULus
E302799
E302799 965 years acc. to SN 29500 (Ed. 99) 40 °C

A wide range of process connections and electrical connections offer a high degree of flexibility in a wide range of applications.