

Differenz-Drucktransmitter**Differential pressure transmitter****Transmetteur de pression différentielle**

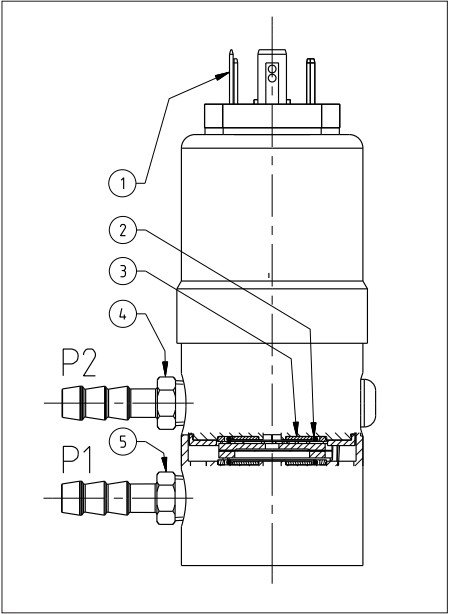
0 ... 0.1 – 25 bar



Technical overview

The differential pressure transmitter of type series 692 with proven, unique ceramic technology, features adjusted and amplified sensor signals which are available as standardised voltage or current outputs.

Various application-specific pressure and electrical connections and housing materials suitable for different media can be provided.



Legend to cross-section drawing

- 1 Electrical connection
- 2 Seals
- 3 Ceramic element
- 4 P2 Pressure connection (lower pressure)
- 5 P1 Pressure connection (higher pressure)

The distinct advantages

- Very low temperature sensitivity
- High resistance to extreme temperatures
- No mechanical creepage
- Modular system and choice of materials to suit individual applications

Medium Liquids and neutral gases	
Pressure ranges 0 ... 0.1 – 25 bar	
Tolerable overload on one side See order code selection table	
System pressure 25 bar on differential pressure range ≤ 6 bar 50 bar on differential pressure range ≥ 10 bar	
Rupture pressure 1.5 x system pressure	
Setting range (Only adjustable versions) Zero point and full scale ±10% fs	
Materials in contact with the medium Pressure connection: Stainless steel 1.4305 / AISI 303, PVDF, CuZn vni Diaphragm: Ceramic Al ₂ O ₃ (96%) Sealing material: FPM, EPDM, NBR, MVQ	
Case material Stainless steel 1.4305 / AISI 303	
Temperature Medium and ambient –15 ... +85 °C Storage –40 ... +85 °C	
Output 3-wire 0 ... 5 VDC 0 ... 10 VDC 2-wire 4 ... 20 mA	Power supply 11 ... 33 VDC 24 VAC ±15% 18 ... 33 VDC 24 VAC ±15% 11 ... 33 VDC
Load 3-wire 2-wire	 > 10 kOhm ≤ $\frac{\text{supply voltage} - 11 \text{ V}}{0.02 \text{ A}}$ [Ohm]

Current consumption At nominal pressure 3-wire < 5 mA 2-wire < 20 mA	
Dynamic response Suitable for static and dynamic measurements Response time < 5 ms Load cycle < 50 Hz	
Electrical connection Connector DIN EN 175301-803-A Round connector DIN EN 60130-9 Cable 1.5 m	
Polarity reversal protection Short circuit proof and protected against polarity reversal. Each connection is protected against crossover up to max. supply voltage.	
Protection standard IP 65	
Pressure connections Pressure-tube tip Ø 4 mm / 6 mm Screw fitting Ø 6 mm / 8 mm Outside thread 7/16-20 UNF, G1/8 Inside thread 1/8-27 NPT, G1/8	
Installation arrangement Unrestricted	
Mounting Mounting bracket	
Tests / Admissions CE conformity	
Weight Approx. 520 g without pressure connections Approx. 575 g with pressure connections	
Packaging Single packaging in cardboard, accessories included	

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Technische Änderungen vorbehalten.
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