

Hydrostatic Pressure Transmitter Q-PS



- For application in water, waste water and salt water
- High-precision and long-term stability ceramic measuring cell
- Reliable and rugged stainless steel body
- Diameter 44,5 mm to be used with 2" gauging pipe
- Output signal von 4 - 20 mA
- Active temperature compensation via integrated micro controller
- Accuracy: 0,1 % of upper range value (URV)
- Accessories:
 - Suspension clamp
 - Humidity absorber

Technical Data

Material pressure cell module

Ceramic Al₂O₃ 96%

Optional ceramic Al₂O₃ 99,9% (only for 0,16 bar, 0,4 bar and 1 bar)

Input range pressure cell

Norminal pressure P _N rel. [bar]	0,06	0,16	0,4	1	2	5	
Allowable over pressure P _{max} [bar]		2	4	6	8	15	25

Output signal / Hilfsenergie

2-conductor sensor 4-20 mA / U_B = 9 ... 36 V

Allow. resistance R_{max} = [(U_B - U_{B min}) / 0,02] Ω

Signal condition

Accuracy < ± 0,1 % URV

Measurement rate 5 Hz

Long term stability < ± 0,1 % URV / year

Temperature drift (Zero point and term)

Temperature drift < ± 0,1 % URV / year

for zero point and term

in compensated range -20 ... 80 °C

Ambient conditions / temperature

Medium -40 ... 125 °C

Elektronik / ambient -20 ... 80 °C

Storage -40 ... 125 °C

Connection

supply + red

supply - blue

Missellaneous

Life span > 100 x 10⁶ cycles

Sealing flange sealing, material FKM (other on inquiry)

Material probe body 1.4301 (A)

Pressure sensor 0608_Engl

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