

With standardized Output Signal - mV/V output

DA Series Pressure Transducer



The DA Series melt pressure transducers are characterized by their high quality of workmanship and outstanding performance and are used in the plastic manufacturing and processing industries throughout the world.

Their consistent reproducibility and stable measuring values contribute to our measurement accuracies.

Technical specifications

Pressure range	0...50 to 0...2000 bar
Accuracy incl. linearity, hysteresis, and reproducibility in % to full scale	0,25 % or 0,5 %
Reproducibility in % to full scale	± 0,1 %
Membrane coating	G-Coating
Resolution	infinite
Max. pressure overload without influence on operating value	2 x range up to 1000 bar (14,500 psi) 1,5 x pressure range over 1000 bar (14,500 psi)
Bridge resistance	350 Ohm Wheatstone Bridge
Supply voltage	max. 10 V DC
Output signal	2 mV/V, 3,33 mV/V
Transmission medium	NTX™ as standard
Process connection	1/2"20 UNF or M18 x 1,5
Calibration point	80 %
Insulation resistance	>1000 MOhm at 50 V
Max. temperature at diaphragm	300 °C NTX (572 °F) 400 °C HG (750 °F) 500 °C NAK (932 °F)
Max. temperature at terminal head during operation	- 40... +125 °C (40 °F...260 °F)
Zero point deviation against diaphragm temperature changes at the diaphragm % / °C (% / 1,8 °F)	± 0,02 bar / °C (± 0,29 psi / °C) *
Zero point deviation against temperature changes at terminal head in % / °C (% / 1,8 °F)	± 0,003 %
Ingress protection housing	IP 65 /
Ingress protection connector	IP 55
Max torque	1/2"20 UNF 30 Nm (22 lbf ft) M18 x 1,5 50 Nm (32 lbf ft)

* With standard diaphragm, transmission medium NTX™ and 1/2"20 UNF.
Modifications can differ.

- Application areas up to 300 °C (572 °F)
- High temperature design for temperatures of up to 500 °C (932 °F)
- Pressure ranges from 0...50 to 0...2.000 bar (0...725 to 0...29,000 psi)
- Liquid filled measuring system
- 100 % market compatible
- Non-Mercury NTX™ version available
- Maximum reliability through new membrane technology
- Standard G-coating to counteract adhesive materials

Product variations (examples)



Flexible capillary

G-Armor version with robust flexible component



Integrated temperature measurement

as an option (DTAI series)



Special types

For example space restrictive exposed capillary