

Pressure Sensors

For Refrigeration conditioning

- Medium wetted parts of stainless steel
- No internal sealing elements
- High peak pressure resistance
- High long-term stability



Model	P3309
Pressure Type	Negative and positive gauge pressure
Output Signal	4...20 mA - 2-wire system 0...10 VDC - 3-wire system
Accuracy % of F.S. ¹⁾	± 1 % of F.S. ¹⁾
Ranges according to EN	-0,8 to 7 bar / - 1 to 9 bar / -1 to 15 bar -1 to 24 bar / 0 to 18 bar / 0 to 30 bar / 0 to 40 bar
Repeatability	≤ ± 0,1 % of F.S.
Stability (annual)	≤ ± 0,3 % of F.S. in rated conditions
Case	Stainless steel 1.4301
Pressure connection	7/16-20 UNF 2 B / Schrader
Wetted parts	Stainless steel 1.4571 and 1.4542
Overload limit	≤ 10 bar 3,5 x; ≤ 40 bar 2 fach;
Electrical connection	Plug to DIN 43 650 with junction box
Power supply	12...30 VDC, (14...30 VDC for output 0...10 V)
Power consumption	Signal current 8 mA
Load	≤ (UB [V] - 10V) / 0,020A ≥ 10 KΩ
Temp. compens. range	0...80°C
Temperature influence	± 0,5 % /10 K, zero point and full scale
Response time	≤ 40 ms (within 10 % to 90 % of F.S.)
Protection type	IP 65 to EN 60529 / IEC 529
Emission ²⁾	to EN 61326
Interference ²⁾	to EN 61326
Electrical protection types	Polarity-, overload- and short-circuit-protection
Temperature ranges	-35 80 °C -25 80 °C -25.... 60 °C
Weight	approx. 0,15 kg

of F.S. = of full scale value

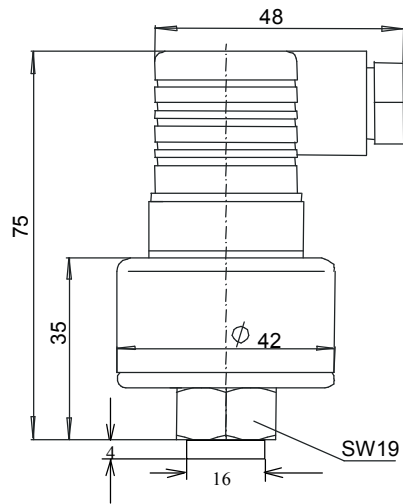
- 1) Terminal point adjustment according to DIN 16 086, incl. Linearity and hysteresis
- 2) Declaration of conformity on request

Models: P3309

Dimensions (mm)

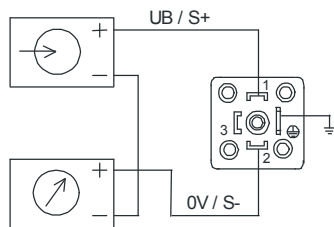
Case

Plug according to DIN 43 650 pressure connection 7/16-20 UNF 2 B / Schrader



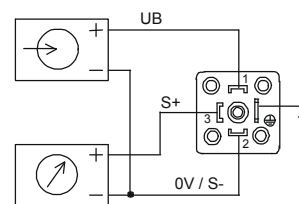
Electrical connection

Two-wire system



E-003

Three-wire system



E-004

Connection table for DIN plug or cable outlet

	4...20 mA (2-wire)	0...10 VDC (3-wire)
Supply: UB+	1	1
Supply: 0V	2	2
Signal: S+	-	3
Signal: S-	-	2