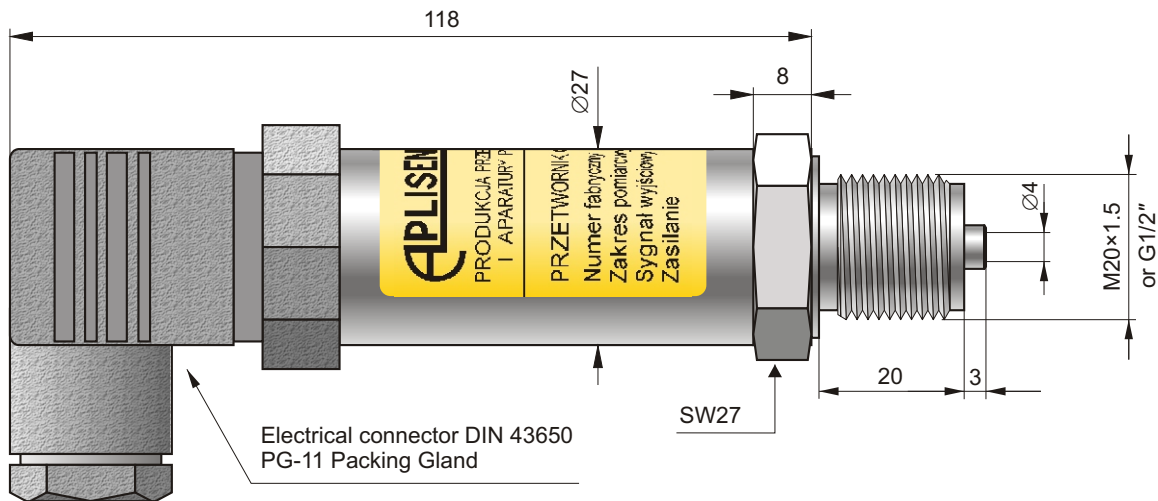


Pressure Transmitter AS



- ✓ Accuracy 0.4%
- ✓ Measuring ranges: 0 ÷ 1, 0 ÷ 2.5, 0 ÷ 6, 0 ÷ 10, 0 ÷ 16, 0 ÷ 25 bar
- ✓ Output signal 4 ÷ 20 mA or 0 ÷ 10 V
- ✓ Process connection G1/2" or M20x1.5

Application

The pressure transmitter AS is applicable to measurement the pressure of gases vapours and liquids. It may be applied in water supply systems and heat engineering.

Construction

The active sensing element is a piezoresistant silicon sensor separated from the medium by a diaphragm and by specially selected type of manometric liquid. The electronics are placed in the casing with a degree of protection IP65. Electrical connection is the connector DIN 43650.

Installation

The transmitter is not heavy, so it can be fitted on the installation. For pressure measurements of steam or other hot media a siphon or impulse line should be used. The needle valve placed upstream the transmitter simplifies installation process and enables the transmitter replacement.

Metrological parameters

Accuracy	0.4%
Hysteresis, repeatability	0.05%
Overpressure limit	4 × range
Thermal compensation range	0 ÷ 70°C
Thermal error	0.2% / 10°C
Long-term stability	0.5% / year

Technical data

Degree of protection	IP-65
Material of wetted parts	00H17N14M2 (316 Lss)
Material of casing	0H18N9 (304ss)

Electrical parameters

Output signal	4 ÷ 20 mA, two wire transmission 0 ÷ 10 V, three wire transmission
Power supply	10.5 ÷ 36 V DC – two wire transmission 15 ÷ 30 V DC – three wire transmission 24 V AC

$$\text{Load resistance } R[\Omega] \leq \frac{U_{\text{sup}}[\text{V}] - 10.5 \text{ V}}{0.02 \text{ A}}$$

(for current output)

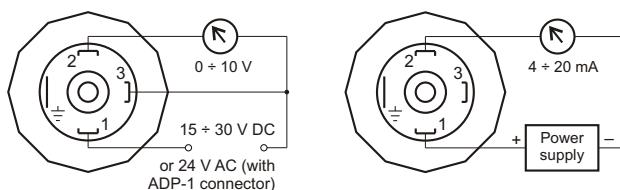
$$\text{Load resistance } R \geq 5 \text{ k}\Omega$$

(for supply output)

Operating conditions

Operating temperature range (ambient temp.)	-25 ÷ 80°C
Medium temperature range:	-25 ÷ 120°C – direct measurement -25 ÷ 170°C – measurement using a impulse line

Electrical diagrams



Ordering procedure

