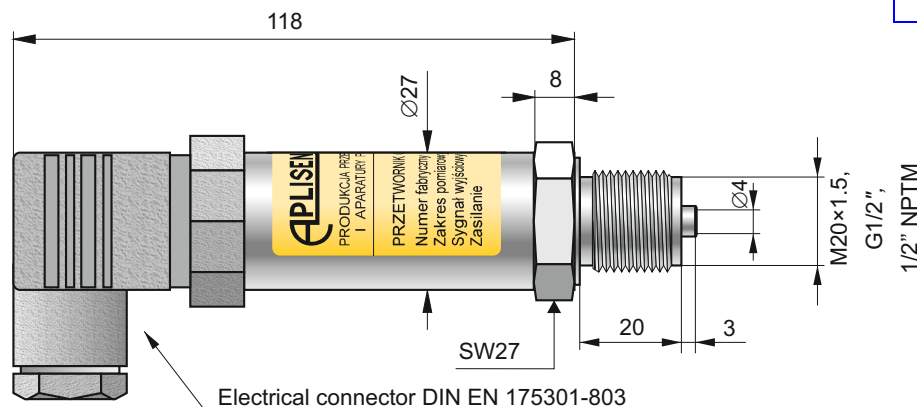


Pressure Transmitter AS



- ✓ **Potentiometers for zero and span adjustment**
- ✓ **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 1/2" NPTM, G1/2",
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 EN 175301-803.

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	IP65
Material of wetted parts	00H17N14M2 (SS316L)
Material of casing	0H18N9 (SS304)

Electrical parameters

Output signal	4 ÷ 20 mA, two wire transmission 0 ÷ 10 V, three wire transmission
Power supply	8...36 VDC – two wire transmission 13...30 VDC – three wire transmission

$$\text{Load resistance (for current output)} \quad R[\Omega] \leq \frac{U_{\text{sup}}[\text{V}] - 8\text{V}}{0,02\text{A}}$$

$$\text{Load resistance (for supply output)} \quad R \geq 20\text{k}\Omega$$

Operating conditions

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

Ordering procedure

