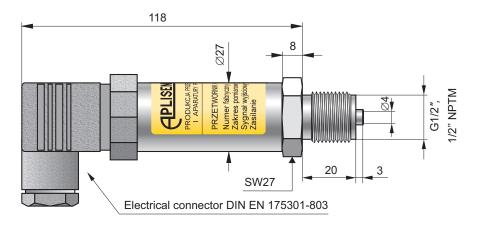
Pressure Transmitter AS



✓ Potentiometers for zero and span adjustment

PLISEN

- ✓ 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"

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. connection is Electrical 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 Material of wetted parts Material of casing

IP65 SS316L SS304

Electrical parameters

Output signal	4 ÷ 20 mA, two wire transmission
	0 ÷ 10 V, three wire transmission
Power supply	836 VDC – two wire transmission
	1330 VDC – three wire transmission

 $U_{sup}[V] - 8V$ $R[\Omega] \leq$ 0,02A

(for current output) Load resistance

 $R \ge 20k\Omega$

for supply output

Load resistance

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

