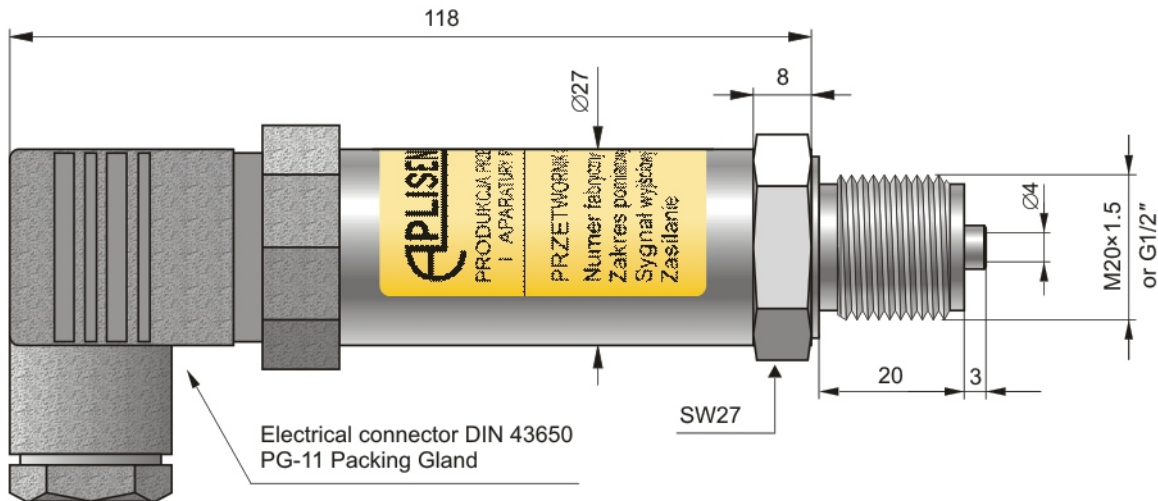


# Pressure Transmitter AS



- ✓ 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 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

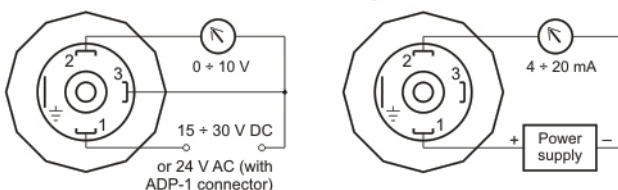
Load resistance  $R[\Omega] \leq \frac{U_{supl}[V] - 10.5 V}{0.02A}$   
(for current output)

Load resistance  $R \geq 5 k\Omega$   
(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

