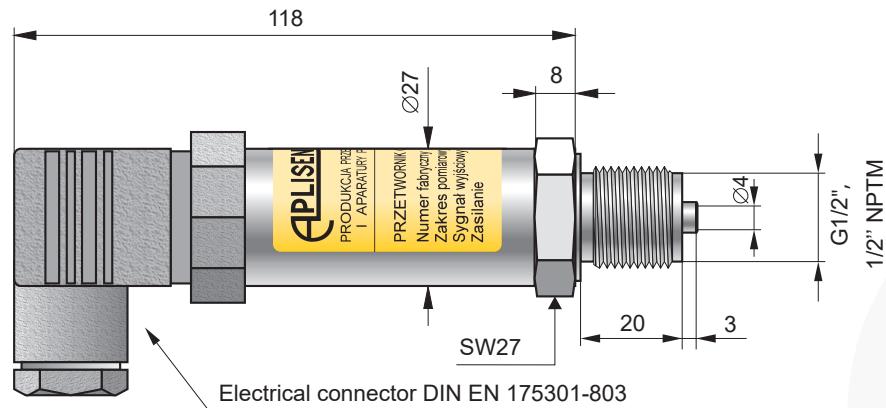


# Pressure Transmitter AS



- ✓ 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", M20×1,5

## 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.

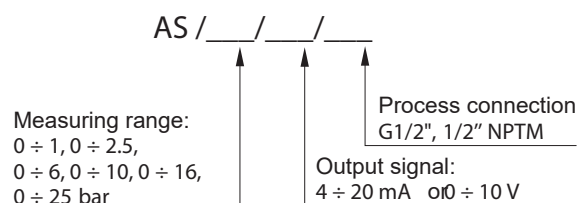
## Construction

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.

## Ordering procedure



## 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	10...36 VDC – two wire transmission 8...36 VDC – (spec. version) 13...30 VDC – three wire transmission

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

Load resistance (for supply output)  $R \geq 20k\Omega$

## 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