

# Pressure

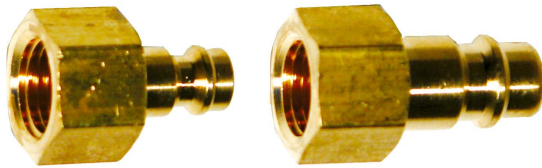
## Pressure Transducer FDA 602 L



- Compact pressure sensors for industrial applications in liquid and gaseous substances.
- Piezo-resistive, flexibly suspended silicone measuring cell in an oil-filled, all-welded special steel enclosure.
- The stable mechanical construction provides a reliable protection for the measuring cell against the test substance and immunizes it against pressure peaks and vibrations.
- Available with three calibrations. Relative pressure: Pressure related to the environmental press. Absolute pressure: Pressure related to vacuum (0 bar) Overpressure: Pressure related to atm. pressure at manufacturing (approx. 1bar).

### Technical Data:

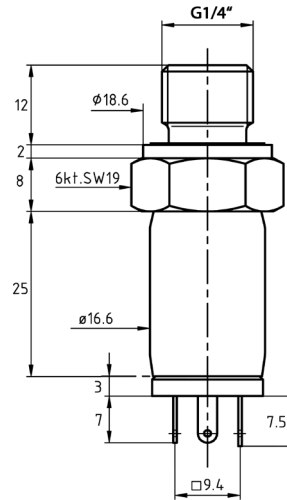
Overload	Two times final value	Power supply	6.5 to 15 VDC, consumption <4 mA via ALMEMO® connector
Output signal	0.2 to 2.2 V	Operating temperature	-40 to +100 °C
Accuracy class (linearity + hysteresis + reproducibility)	±0.5 % of final value	Pressure terminal	male thread G1/4" membrane not flush with front
Total error range		Material in contact with medium	Stainless steel DIN 1.4404/1.1135 External seal Viton
0 to +50 °C	±1.0 % of final value	Weight	approx. 50 g
-10 to +80 °C	±1.5 % of final value (linearity + hysteresis + reproducibility + temperature coefficients + zero-point + range tolerance)	Protective class	IP 65
Response time (0 to 99 %)	<5 ms		
Nominal conditions	22°C ±2 K, 10 to 90 % RH, non-condensing		



Quick-release coupling  
nominal width 5  
internal thread G1/4"

nominal width 7,2  
internal thread G1/4"

**Other version: Pressure transducer with digital ALMEMO® D7 measuring plug**, see page 10.03.  
Digital sensor, can be calibrated without measuring device.  
Measurement of rapid pressure changes (pressure peaks).



### Accessories

	Order no.
PTFE sealing tape, -200 to +260 °C, width 10 mm, thickness 0.1 mm, roll of 12 meters	ZB9000TB
Quick-release coupling, nominal width 5, up to 35 bar Connection internal thread G1/4", brass	ZB9602N5
Quick-release coupling, nominal width 7.2, up to 35 bar connection internal thread G1/4", brass	ZB9602N7

**Types:** including ALMEMO® cable 1.5m long

#### Measuring ranges relative pressure:

2.5 bar	FDA602L3R
5 bar	FDA602L4R
10 bar	FDA602L5R

#### Measuring ranges absolute pressure:

2.5 bar	FDA602L3A
5 bar	FDA602L4A
10 bar	FDA602L5A

#### Measuring ranges overpressure:

25 bar	FDA602L2U
50 bar	FDA602L3U
100 bar	FDA602L4U
500 bar	FDA602L6U

Pressure transducer for measuring the temperature of refrigerants see page 10.08.



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