Pressure Transducer FDA 602 L

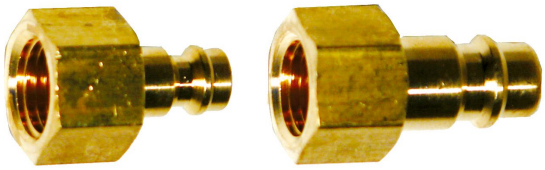


- Compact pressure sensors for industrial applications in liquid and gaseous substances.
- Piezo-resistive, flexibly suspended silicone measuring cell in an oil-filled, all-welded special steel enclosure.
- The stable mechanical construction provides a reliable protection for the measuring cell against the test substance and immunes 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. 1 bar).

Technical Data:

Overload	Two times final value
Output signal	0.2 to 2.2 V
Total error range	
0 to +50 °C	±1.0 % of final value
-10 to +80 °C	±1.5 % of final value
(linearity + hysteresis + reproducibility + temperature coefficients + zero-point + range tolerance)	
Response time (0 to 99 %)	<5 ms
Nominal conditions	22 °C ±2 K, 10 to 90 % RH, non-condensing

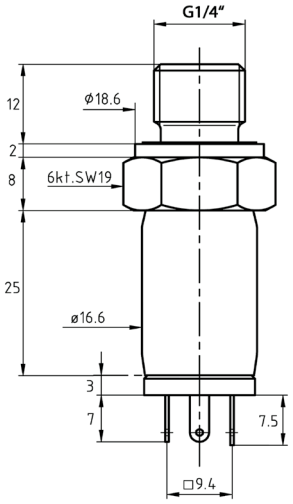
Power supply	6.5 to 15 VDC, consumption <4 mA via ALMEMO® connector
Operating temperature	-40 to +100 °C
Pressure terminal	male thread G1/4" membrane not flush with front
Material in contact with medium	Stainless steel DIN 1.4404/1.1135 External seal Viton
Weight	approx. 50 g
Protective class	IP 65



Quick-release coupling

nominal width 5
internal thread G1/4"

nominal width 7.2
internal thread G1/4"



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 1.5 m 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 FDA 602 LxAK

DAkkS accredited calibration or factory calibration KD9xxx pressure for sensor or measuring chain (sensor + device), see chapter „Calibration certificates". DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.