

Pressure

Pressure Transducer FDA 602 L

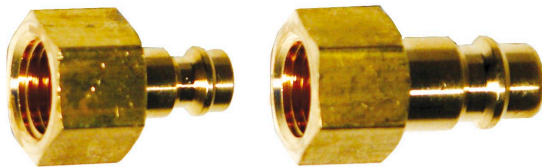


- Compact pressure sensors for industrial applications in liquid and gaseous substances.
- Piezo-resistive, flexibly suspended silicone measuring cell in an oil-filled, all-welded special steel enclosure.
- The stable mechanical construction provides a reliable protection for the measuring cell against 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
Output signal	0.2 to 2.2 V
Accuracy class (linearity + hysteresis + reproducibility)	±0.5 % of final value
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

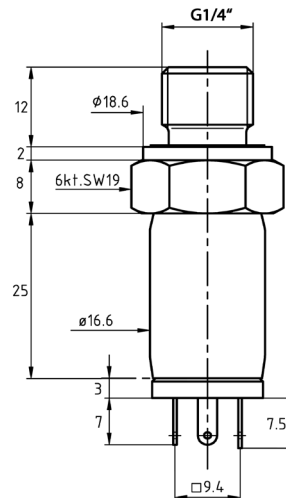


Quick-release coupling

nominal width 5
internal thread G1/4"

nominal width 7,2
internal thread G1/4"

New: Measurement of pressure peaks and fast pressure changes with digital ALMEMO® D7 measuring plugs, see page 10.03.



Accessories

PTFE sealing tape, -200 to +260 °C, width 10 mm, thickness 0.1 mm, roll of 12 meters
Quick-release coupling, nominal width 5, up to 35 bar Connection internal thread G1/4", brass
Quick-release coupling, nominal width 7.2, up to 35 bar connection internal thread G1/4", brass

Order no.

ZB9000TB
ZB9602N5
ZB9602N7

Types: including ALMEMO® cable 1.5m long

Measuring ranges relative pressure:

up to 2.5 bar **FDA602L3R**
up to 5 bar **FDA602L4R**
up to 10 bar **FDA602L5R**

Measuring ranges absolute pressure:

up to 2.5 bar **FDA602L3A**
up to 5 bar **FDA602L4A**
up to 10 bar **FDA602L5A**

Measuring ranges overpressure:

up to 25 bar **FDA602L2U**
up to 50 bar **FDA602L3U**
up to 100 bar **FDA602L4U**
up to 500 bar **FDA602L6U**

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

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