

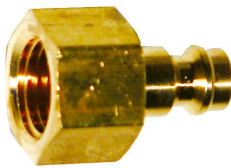
Pressure Transducer FDA 602 L



- 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).

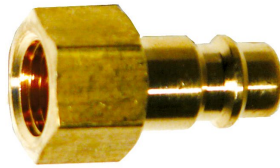
Technical Data:

| | | | |
|--|---|---------------------------------|--|
| Overload | Two times final value | 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 |
| Total error range | | Pressure terminal | male thread G1/4" membrane not flush with front |
| 0 to +50 °C | ±1.0 % of final value | Material in contact with medium | Stainless steel DIN 1.4404/1.1135 |
| -10 to +80 °C | ±1.5 % of final value | External seal | Viton |
| (linearity + hysteresis + reproducibility + temperature coefficients + zero-point + range tolerance) | | Weight | approx. 50 g |
| Response time (0 to 99 %) | <5 ms | Protective class | IP 65 |
| Nominal conditions | 22 °C ±2 K, 10 to 90 % RH, non-condensing | | |



Quick-release coupling

nominal width 5
internal thread G1/4"

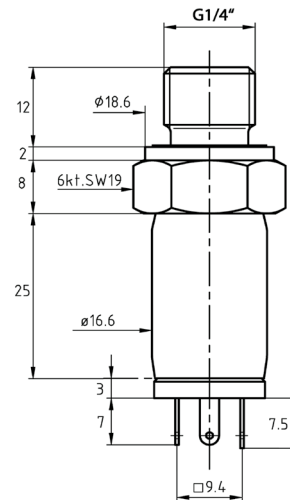


nominal width 7.2
internal thread G1/4"

Other version: Pressure transducer with digital

ALMEMO® D7 measuring plug, see page 222

Digital sensor, can be calibrated without measuring device.



Accessories

Order no.

- 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

ZB9000TB
ZB9602N5
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 page 224

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