Digital atmospheric pressure sensor FDAD 12 SA, for barometric pressure Integrated in ALMEMO® D6 plug



General features and accessories, ALMEMO® D6 sensors
see chapter ALMEMO® Measuring instruments

Special features
- Digital atmospheric pressure sensor with temperature compensation
- Very accurate over a wide temperature range
- The value measured for atmospheric pressure can also be used to compensate other sensors on the ALMEMO® device (programming comment *P).
- Compact design, without pressure connection sleeve
- Can be connected directly to the measuring instrument.
- One measuring channel is programmed (at our factory).
- Atmospheric pressure (mbar, AP, p)

Technical Data

Digital atm. pressure sensor (integrated in ALMEMO® D6 plug)	
Measuring range	300 to 1100 mbar
Accuracy	±2.5 mbar in the range 700 to 1100 mbar at 23 °C ±5 K
Operating range	-10 to +60 °C 10 to 90 % RH non-condensing
Dimensions	62 x 20 x 7.6 mm

ALMEMO® D6 plug	
Refresh rate	1 second for all channels
Supply voltage	6 to 13 VDC
Current consumption	4 mA

Variants (including manufacturer's test certificate)	**Order no.**
Digital atmospheric pressure sensor for barometric pressure, integrated in ALMEMO® D6 plug	**FDAD12SA**

DAkkS accredited calibration or factory calibration KD92xx atmospheric pressure for digital sensor, see chapter „Calibration certificates“. DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

Pressure measuring connector for barometric pressure FDA 612 SA



- Compact design - can be plugged directly onto measuring instrument.
- Piezo-resistive pressure sensor - ensures high measuring accuracy.

Technical Data:

Measuring range	700 to 1050 mbar (total range 0 to 1050 mbar)
Overload capacity	Maximum 1.5 times final value
Accuracy	±0.5 % of final value
Nominal temperature	25 °C
Temperature drift	<±1 % final value at 0 to +60 °C
Hose terminals	Ø 5 mm, 12 mm long

Sensor material	aluminum, nylon, silicone, silica gel, brass
Operating range	-10 to +60 °C, 10 to 90 % RH, non-condensing
Dimensions	90 x 20 x 7.6 mm

Accessories	**Order no.**		**Order no.**
Connecting cable, 0.2 meters	**ZA9060AK1**	Extension cable, 5 meters	**ZA9090VKC5**
Extension cable, 2 meters	**ZA9060VK2**		

Variants (including manufacturer's test certificate)	**Order no.**
Pressure measuring connector for barometric pressure with pressure terminal sleeve	**FDA612SA**

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.

11/2025 • We reserve the right to make technical changes.