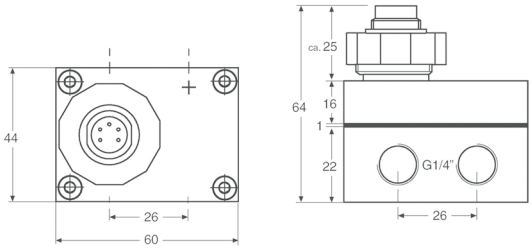
Differential pressure transmitter FDA 602 D

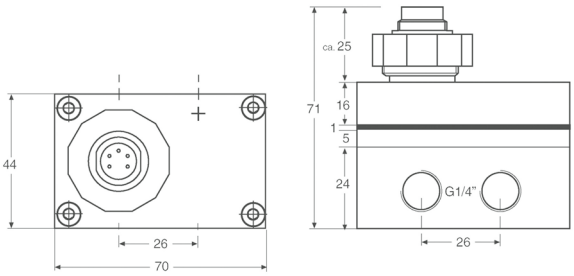


- This measures the differential pressure in liquid and gaseous media indirectly using two absolute pressure sensors.
- This makes it less expensive but more robust with respect to asymmetrical overload.
- The differential pressure range should be at least 5 % of the standard pressure range.
- Each side of the sensor incorporates two pressure connections. The transmitters can thus be used easily and conveniently in pressure pipes.
- It incorporates a high-speed, high-precision microprocessor.
- All reproducible errors affecting the pressure sensors, i.e. involving non-linearity and temperature dependency, can be completely eliminated by means of mathematical error compensation.

Low-pressure version



Medium-pressure version



Technical Data:

Standard pressure range (maximum measurable pressure per pressure connection), overload, differential pressure range.	See versions listed below.
Storage / operating temperature	-40 to +100 °C
Compensated standard range	-10 to +80 °C
Error margin (linearity + hysteresis + reproducibility + temperature error)	≤0.05 % typical, ≤0.1 % max. of final value to standard pressure range
Pressure connections	G1/4“ thread, female (2 per side)
Material in contact with medium	Stainless steel, 316L, DIN 1.4435

Power supply	6 to 15 VDC via ALMEMO® connector
Output	0 to 2 V
Electrical connection	Binder plug, including ALMEMO® connecting cable, 2 meters
CE conformance	EN61000-6-1 to 4 with shielded cable
Protective class	IP 65
Weight	
Low-pressure version	475 grams
Medium-pressure version	750 grams

Types

Differential pressure transmitter, including ALMEMO® cable, 2 meters

Standard pressure range Absolute pressure	Overload	Differential pressure range Please indicate final value	Order no.
Low-pressure version			
3 bar	10 bar	Final value 0.2 to 3 bar	**FDA602D01**
10 bar	20 bar	Final value 0.5 to 10 bar	**FDA602D02**
25 bar	30 bar	Final value 1.25 to 25 bar	**FDA602D03**
Medium-pressure version			
100 bar	200 bar	Final value 5 to 100 bar	**FDA602D10**

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.