Differential pressure transmitter for smallest pressure with automatic zero-point correction, FD 8612 DPT25R8AZ For air and non-aggressive gases



- Adjustable differential pressure measuring transducer for the purposes of monitoring the differential pressure in air and in other non-combustible and non-aggressive gases
- Possible uses include : Monitoring of air filters, of forced-air fans and blowers, of industrial air-cooling circuits, of air flows in ventilation conduits, prevention of overheating in air heaters, regulation of airflow valves and fire protection valves, protection against frost in heat exchangers.

Technical Data:

Measuring element	Piezoelectronic measuring cell
Measuring range	(can be selected via jumper) -100 to +100 Pa 0 to +100 Pa 0 to +250 Pa 0 to +500 Pa 0 to +1000 Pa 0 to +1500 Pa 0 to +2000 Pa 0 to +2500 Pa
Measuring accuracy	±1,5 % of the measuring range selected ± 6 Pa for measuring ranges 250Pa, 100Pa, ± 100Pa
Long-term stability	0.1 % per year (typical)
Reaction time	0.8 or 4.0 seconds (can be selected)
Maximum pressure	25 kPa
Bursting pressure	50 kPa
Medium	Air and non-aggressive gases
Operating temperature	-5 to +50 °C
Storage temperature	-20 to +70 °C
Ambient humidity	0 to 95 % RH, non-condensing
Housing, housing cover, connecting muff, conduit muff :	ABS (acrylonitrile butadiene styrene)
Protection	IP54
Dimensions	(LxWxH) 90 x 71.5 x 36 mm
Weight	150 g
Pressure connection	2 hose muffs Diameter = 5 / 6.3 mm
Electrical connections	Screw terminals, maximum 1.5 mm²
Cable entry	M16
Supply voltage	24 VAC or 24 VDC, ±10 % Power <1 W
Output signal (can be selected)	0 to 10 V Load 1 kohm minimum 4 to 20 mA, 3 conductors Load 500 ohms maximum.

Accessories

	Order no.
ALMEMO® connecting cable for FD 8612 DPT, differential pressure, 2 cables connected in the transmitter housing	
1. ALMEMO® connecting cable, PVC, length = 2 meters, with ALMEMO® connector	
2. Power supply via mains unit ZB1024NA1, 230 VAC / 24 VDC	ZA8612DPTAK

Variants

	Order no.
Differential pressure transmitter type DPT, for air and non-aggressive gases, with automatic zero-point correction 8 measuring ranges (can be selected via jumper) including standard accessories: 2 fastening screws, 2 plastic conduit muffs, 2-meter plastic hose	**FD8612DPT25R8AZ**
DAkkS / DKD or factory calibration KD9xxx pressure for sensor or measuring chain (sensor + device) (see chapter Calibration certificates)	

10/2013 • We reserve the right to make technical changes.