

Datasheet MDEKD-940.000

Articlenumber: G9270010

Pressure transducer, 250/500/750/1000Pa, 0-10V, 2-10V, 0-20mA, 4-20mA

The microprocessor-controlled pressure transmitters are suitable for measuring the overpressure, underpressure or differential pressure of non-aggressive gases. They are used in heating, ventilation or air conditioning applications as well as in clean room technology or fine draft measurement. The pressure is measured using a piezoresistive pressure sensor. The material of the wetted parts is Ni, PU, Al, Au, Pyrex glass, silicone, Kovar, Duraplast, Ultem Plastic. The time constant can be switched between approx. 10 ms, 2 s or 4 s. With this device, you can choose between the relative measuring ranges ± 1000 Pa, ± 750 Pa, ± 500 Pa and ± 250 Pa.



Ambient temperature	0 ... 60 °C
Bearing temperature	-10 ... 70 °C
Cable entry	M 12 x 1.5
Colour	Grey
Connection cross-section	0,14 – 2,5 mm²
Dimensions (W x H x D)	86 mm x 76 mm x 40 mm
Electric connection	Spring push-lock terminals
Final value, pressure measurement range	1000 Pa
Housing material	Plastic
Initial value, pressure measurement range	0 Pa
Max. air humidity (non-condensing)	95 % r.H.
Max. Measuring current	Approx. 20 mA
Max. Pressure	5-fold meas. range limit value
Medium	Gas
Montage/Befestigung	Wall mounting

Number of outputs	1
Operating voltage	24 VAC $\pm 8\%$, 50 Hz / 24 VDC $\pm 20\%$
Output signal	Continuous, 0 ... 10 V, 2 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
Pressure connection	6.6 mm
Protection class	III
Safety and EMC	In accordance with DIN EN 60730
Sensor element	Piezoresistive pressure sensor
Surface finish	Matt

