

## Data Sheet MDEKD-940.000

Article number: G9270010

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

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  $\pm 1000$  Pa,  $\pm 750$  Pa,  $\pm 500$  Pa and  $\pm 250$  Pa.



Initial value, pressure measurement range	0 Pa
Connection cross-section	0,14 – 2,5 mm <sup>2</sup>
Number of outputs	1
Output signal	continuous, 0 ... 10 V, 2 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
Operating voltage	24 VAC $\pm 8$ %, 50 Hz / 24 VDC $\pm 20$ %
Pressure connection	6.6 mm
Electric connection	spring push-lock terminals
Final value, pressure measurement range	1000 Pa
Colour	grey

Sensor element	piezoresistive pressure sensor
Cable entry	M 12 x 1.5
Bearing temperature	-10 ... 70 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic
Max. Pressure	5-fold meas. range limit value
Max. Measuring current	approx. 20 mA
Medium	Gas
Mounting/attachment	wall mounting
Surface finish	matt
Protection class	IP54
Protection class	III
Safety and EMC	in accordance with DIN EN 60730
Ambient temperature	0 ... 60 °C
Dimensions (W x H x D)	86 mm x 76 mm x 40 mm



