

Digital Differential Pressure Transmitter DE80



Low-cost solution for your measuring problem



*Differential pressure, pressure, flow

FISCHER ECO-LINE®

The straightforward device concept for standard applications

Benefits at a glance

Differential pressure transmitter for air and neutral gases

For safe display and control in technical building equipment (TBE)

DE80 FISCHER ECO-LINE® for ventilation applications

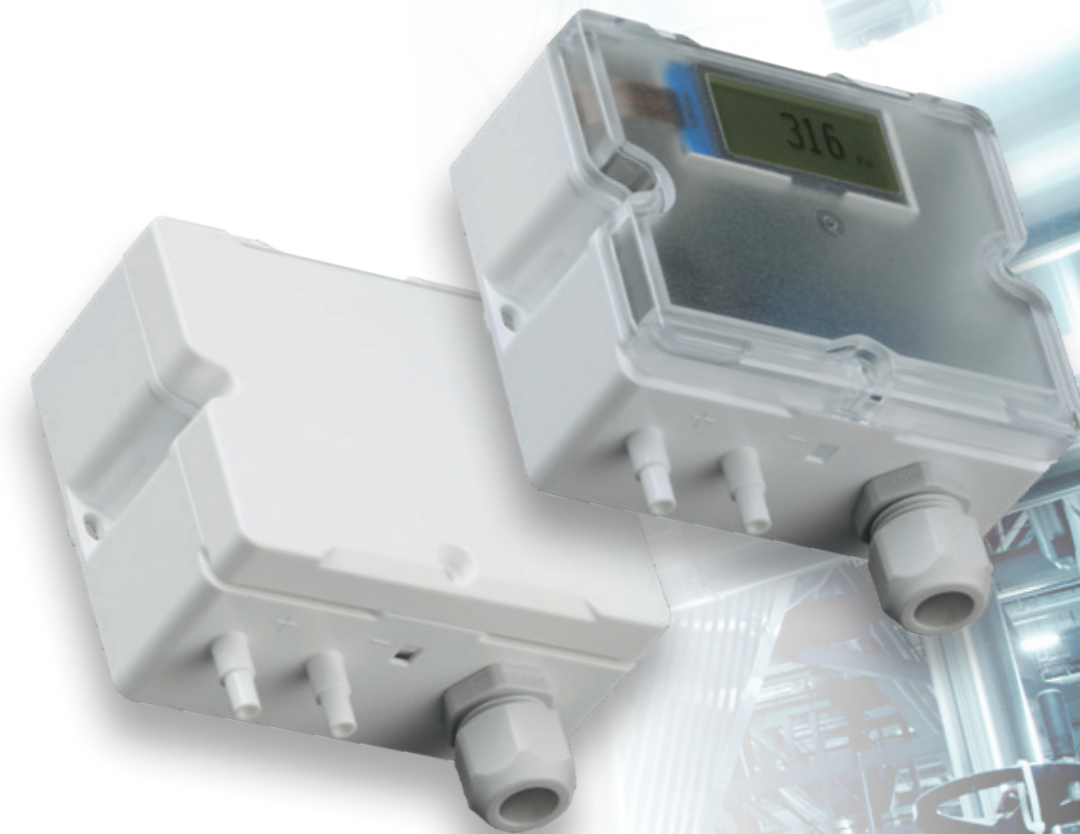
- ▲ Versatile applications, e.g. in building and clean room technology, suitable for filter monitoring, volumetric flow monitoring, and control of frequency inverters.
- ▲ Measurement of over-, vacuum and differential pressures for neutral, non-aggressive media
- ▲ Can be supplied as a 2-wire or 3-wire version
- ▲ Basic measuring ranges 1 mbar to 250 mbar
- ▲ Optional changeover contact adjustable via potentiometer
- ▲ Optional Modbus RTU interface

Simple handling and assembly

- ▲ Installation-friendly, robust design
- ▲ Space saving installation option
- ▲ Overpressure-safe and maintenance-free
- ▲ External fastening lugs
- ▲ Optional mounting rail installation
- ▲ Division into a few basic measuring ranges
- ▲ Plug connection for 8/6 mm hose or 6/4 mm hose

Display

- ▲ Available without (fig. left) and with display (fig. right)
- ▲ Full graphic LC display
- ▲ Display format depending on measuring range



Easy parameterisation

- ▲ DIP switch for parameterisation
- ▲ Potentiometer for switching point adjustment
- ▲ Button for zero point offset

Accessories

Carrier rail mounting, available as accessory.



Connection set included in scope of delivery.

Technical data

Input parameters

- ▲ Differential pressure, vacuum and overpressure measurements with neutral gaseous media
0...20 mA, or 0...10 V
4...20 mA, or 2...10 V
- ▲ Piezo-resistive sensor element
- ▲ Switching of measuring ranges via DIP switch
- ▲ Measuring ranges
25 Pa to 25 kPa
0.25 mbar to 250 mbar

Output parameters

- ▲ Switchable output signals
- ▲ 2-wire or 3-wire version
- ▲ Floating semiconductor changeover contact (MOSFET)
3... 32 V AC / DC, 0.25 A, 8 W / 8 VA

Measuring accuracy

- ▲ 1.5 % measuring accuracy basic measuring range

Interfaces

- ▲ Optional Modbus RTU interface

Process connections

- ▲ Plug connection for 6/4 mm or 8/6 mm hose

Display and user interface

- ▲ Optional full graphic LC display
- ▲ Display format depending on measuring range
- ▲ DIP switch
- ▲ Zero push-button

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