TROX® TECHNIK
The art of handling air

MD

FOR THE DISPLAY, MONITORING AND CONTROL OF DIFFERENTIAL PRESSURES

Measuring devices for the display, monitoring and control of differential pressures or volume flow rates, for gaseous, non-aggressive media

Analogue:

- U-tube manometer or inclined tube manometer

Digital:

- Transducer with pressure sensor
- 4-digit LCD
- Infinitely variable setpoint adjustment
- Optical signal when the setpoint is reached
- Volt-free switch output with changeover contact
- 0.1 Pa resolution
- Signal outputs to DIN IEC 60381

APPLICATION

Application

- Type MD pressure measuring devices for installation into ventilation and air conditioning systems
- For the display and monitoring of differential pressures in gaseous media, such as air and inert gases
- To ensure the timely maintenance of filters

Special characteristics

- Compact construction
- Easy to use
- Variant APC: display of 2 measuring ranges depending on installation orientation
- Variant DPC: measurement to DIN 1946-4 and VDI 3803
- Variant DPC can be integrated with the central BMS

DESCRIPTION

Variants

- UT: U-tube manometer
- APC: Analog pressure monitor
- DPC: Digital pressure monitor

Construction

- Analog constructions: U-tube manometer and inclined tube manometer with fluid
- Digital construction: with electronic system
- Supply voltage 24 V AC/DC ± 15%, 50/60 Hz
- Transducer output, adjustable, 0 – 10 V DC, 0 – 20 mA or 2 – 10 V DC, 4 – 20 mA

Useful additions

- Manometer liquid, to be ordered separately
- DIN rail power supply unit, to be ordered separately

TECHNICAL INFORMATION

Type MD pressure measuring devices with different measuring ranges for displaying or monitoring the differential pressure of gaseous media.

U-tube manometer and analogue pressure monitor are measuring devices with display function.

The digital pressure monitor is a monitoring and measuring device with a digital display including LEDs; an optical signal is emitted if the differential pressure exceeds the set limit.

Volt-free switch output with changeover contact and transducer output, adjustable, 0 – 10 V DC, 0 – 20 mA or 2 – 10 V DC, 4 – 20 mA, for connection to the central BMS.

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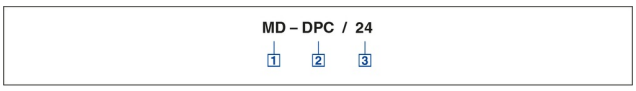

1 Type
MD Measuring device

2 Variant
UT U-tube manometer
APC Analogue pressure monitor
DPC Digital pressure monitor

3 Supply voltage
24 24 V AC/DC ± 15%, 50/60Hz