



# 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.

 $Volt-free \ switch \ output \ with \ change over \ contact \ and \ transducer \ output, \ adjustable, \ 0-10\ V\ DC, \ 0-20\ mA \ or \ 2-10\ V\ DC, \ 4-20\ mA, for \ connection \ to \ the \ central \ output, \ adjustable, \ 0-10\ V\ DC, \ 0-20\ mA \ or \ 2-10\ V\ DC, \ 0-20\ mA, \ for \ connection \ to \ the \ central \ output, \ adjustable, \ 0-10\ V\ DC, \ 0-20\ mA, \ 0-2$ 

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Type
MD Measuring device

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

2 Variant

UT U-tube manometer

APC Analogue pressure monitor

DPC Digital pressure monitor