



## 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  $\pm 15\%$ , 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.

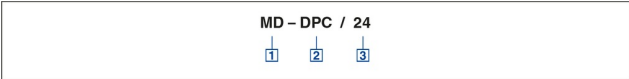
Volt-free switch output with changeover contact and transducer output, adjustable, 0 – 10 V DC, 0 – 20 mA or 2 – 10 V DC, 4 – 20 mA, for connection to the central BMS.

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<b>1</b> Type	<b>3</b> Supply voltage
<b>MD</b> Measuring device	<b>24</b> 24 V AC/DC ± 15%, 50/60Hz
<b>2</b> Variant	
<b>UT</b> U-tube manometer	
<b>APC</b> Analogue pressure monitor	
<b>DPC</b> Digital pressure monitor	