

# JUMO MIDAS DP 10

## Differential Pressure Transmitter



- stainless steel measuring system, with media separation
- for liquid and gaseous media
- measuring ranges from 0 – 0.4 bar to 0 – 16 bar
- single-sided overload up to 30 bar
- permissible temperature of medium –40 to +100 °C
- 4 – 20 mA or 0.5 – 4.5 V output
- compact design

The new electronic differential pressure transmitter from JUMO has been developed for industrial measurement of differential pressure in gaseous, liquid and mildly corrosive media. Thanks to the use of a sensor element that has been field-proven well over 100,000 times, and the highly functional design, this compact transmitter ensures outstanding reliability and a long operating life.

### Technical data

Measuring ranges	from 0 – 0.4 bar to 0 – 16 bar
System pressure	up to 30 bar
Output	4 – 20 mA (2-wire) 0.5 – 4.5 V ratiometric
Media	liquid and gaseous
Temperature of the medium	–40 to 100 °C
Enclosure protection	IP 67
Parts in contact with the medium	stainless steel and plastic PBT
Electrical connection	bayonet DIN 72 585 M12 round connector
Pressure connection	2 x G1/8

### Some examples from a wide range of possible measurement tasks:

#### Filter monitoring

A classic application is filter monitoring in gases or liquids; the different pressures upstream and downstream of the filter can be used to infer the level of filter contamination.

#### Filling level

In pressurized boilers it is possible to use differential pressure measurement to determine the precise filling level, regardless of the varying system pressure.

#### Pump control

By measuring the pressure upstream and downstream of a pump, it is possible to use a controller to regulate the speed of a pump to meet throughput and energy consumption requirements.

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PR 40016 GB „JUMO MIDAS DP 10“

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(data sheet 40.1050)

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4.06/00467845