

RPD Reference gas meters

The **gold** standard for low flow measurement

Data Sheet EPE-170172





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Continuous and absolutely pulsation free

Similar to figure

Gas meter GM4

Q_{min}	0.01 m ³ /h*
Q_{max}	4 m ³ /h
Range	≥ 1:400
Measurement accuracy	0.5 % MV + 0.005 %
Pulse value	195,000 imp/m ³
Interface	DIN flange DN20 PN10
Installation length	130 mm
Operating pressure	up to 6 bar gauge pressure***

Gas meter GM16

Q_{min}	0.016 m ³ /h*
Q_{max}	16 m ³ /h
Range	≥ 1:1000
Measurement accuracy (@atmosph. cond., air)	0.5 % MV + 0.005 % EV**
Pulse value	77,000 imp/m ³
Interface	DIN flange DN20 PN10
Installation length	130 mm
Operating pressure	up to 6 bar gauge pressure***

* Depending on operating conditions and measurement time

** MV = from the measured value, EV = from the end value

*** Versions for higher operating pressure on request

This is only an **example** interpretation and can change according to your needs.

Description

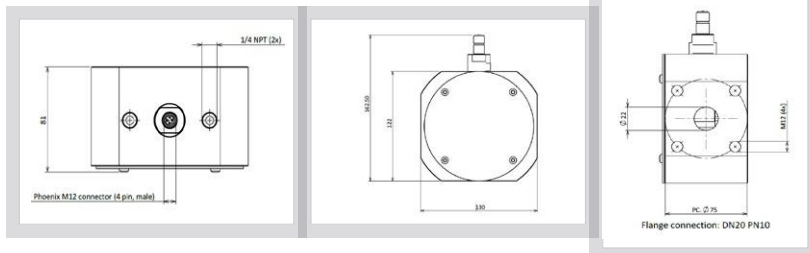
The rotary positive displacement (RPD) reference gas meters GM4 and GM16 meet the highest demands on reliable and accurate reference gas flow measurement down to 0.01 m³/h. Working according to the positive displacement principle, two counter-rotating impellers are displacing a fixed volume from the inlet to the outlet of the meter with each full revolution. Due to their special, patent-pending impeller design pulsation free operation is realized. They reach an excellent measurement accuracy of 0.5 % MV + 0.005 % EV. Both versions are suited for operating pressures up to 6 bar gauge pressure. As the flow measurement is continuous, absolutely pulsation free and highly accurate, this RPD reference meters are the gold standard for low flow reference measurement.

Features & benefits

- ✓ Reference measurement for low flow rates ✓
- Continuous and absolutely pulsation free ✓
- Excellent measurement accuracy
- ✓ Gauge pressure operation ✓

Robust and compact design

Dimensions



Standard solutions

Application examples:



Typical applications are:

- Industrial applications
- Calibration & transfer standards
- Measurement sections for test benches

For special requirements we are happy to advise you. Subject to change. / EPE-154364

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