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# RPD Reference gas meters

The **gold** standard for low flow measurement

Data Sheet EPE-170172





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## The gold standard for low flow measurement

EPE-170172



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# RPD reference gas meters

Continuous and absolutely pulsation free  
Low flow reference measurement down to 0.01 m<sup>3</sup>/h  
Operating pressure up to 6 bar gauge

### Gas meter GM4

Q <sub>min</sub>	0.01 m <sup>3</sup> /h*
Q <sub>max</sub>	4 m <sup>3</sup> /h
Range	≥ 1:400
Measurement accuracy (@atmosph. cond., air)	0.5 % MV + 0.005 % EV**
Pulse value	195,000 imp/m <sup>3</sup>
Interface	DIN flange DN20 PN10
Installation length	130 mm
Operating pressure	up to 6 bar gauge pressure***

### Gas meter GM16

Q <sub>min</sub>	0.016 m <sup>3</sup> /h*
Q <sub>max</sub>	16 m <sup>3</sup> /h
Range	≥ 1:1000
Measurement accuracy (@atmosph. cond., air)	0.5 % MV + 0.005 % EV**
Pulse value	77,000 imp/m <sup>3</sup>
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.

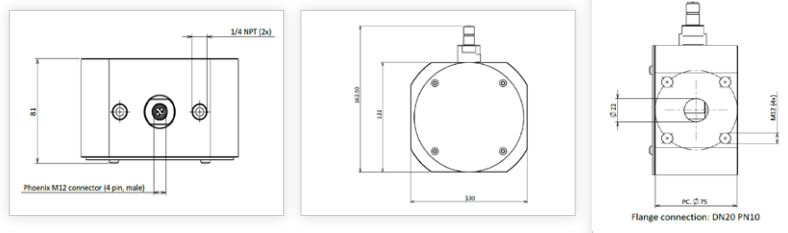
### Description

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 m<sup>3</sup>/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-170172 / last update: 05/2020 / V05  
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