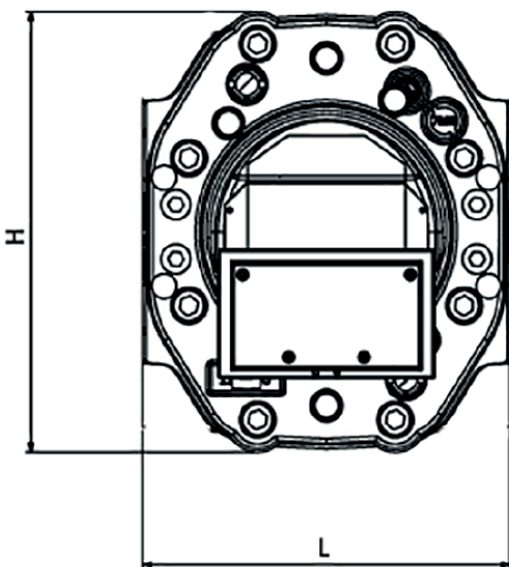


# FMR Rotary Gas Meter

- MID Approved 2014/32/EU
- Tamper Proof Index
- Low Pressure Drop
- Horizontal/Vertical Installation
- Suitable for all non-corrosive gases
- Accuracy : +/- 1%  $Q_t$  to  $Q_{max}$   
+/- 2%  $Q_{min}$  to  $Q_t$



	Size (mm)	Min. flow $q_i$ (m <sup>3</sup> /hr)	Max. flow $q_s$ (m <sup>3</sup> /hr)	K-Factor (imp/m <sup>3</sup> )
FMR DN40 G25	40	0.5	40	10
FMR DN50 G65	50	0.65	100	10
FMR DN80 G100	80	1	160	1
FMR DN100 G160	100	1.6	250	1
FMR DN150 G400	150	4	650	1

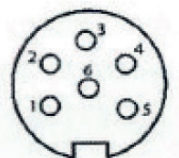


Size (mm)	Length (mm)	Height (mm)	Weight (kg)
40	150	163	5
50	171	163	7.5
80	171	202	14
100	241	202	15
150	241	288	48

IT IS RECOMMENDED THAT A TOP HAT FILTER IS FITTED TO PROTECT THE METER FROM DUST AND DEBRIS

## Wiring Diagram

- LF1: Pin 1-4 - Red and Blue
- LF2: Pin 2-5 - Black and white
- TAMPER: Pin 3-6- Green and Yellow



## Installation Instructions

- Check the flow direction, as indicated on the Pm-indication label on the meter. In cases where the flow direction is incorrect this can be changed to a reversed flow by turning the index plate.
- The piping on the inlet side of the meter must be clean (free of dirt, dust and debris). It is recommended to install a 100 micron filter upstream of the meter. For new installations it is recommended to install a 250 micron filter for the first weeks of operation.
- Level the meter within 5mm side to side and front to back.
- Tighten the flange bolts crosswise and regularly with a maximum tightening as mentioned below:

**Nominal Torque: 40 Nm**  
**Maximum Torque: 50 Nm**  
**Thread Size (T): M16**  
**Thread Length (L): 16-24mm**

- The meter is shipped with an empty oil reservoir. Fill the reservoir at the front side of the meter with the supplied oil to the indicated level. Allow the oil to stabilize for a few minutes for an accurate reading. (The meter must be depressurised before filling or adding oil. Oil must be drained before removing the meter).
- Pressurize the meter with care to avoid overloading, the pressure change should never exceed 350mbar/sec.

