



MF - Medium Pressure Series Utility Gas Meters

The Products

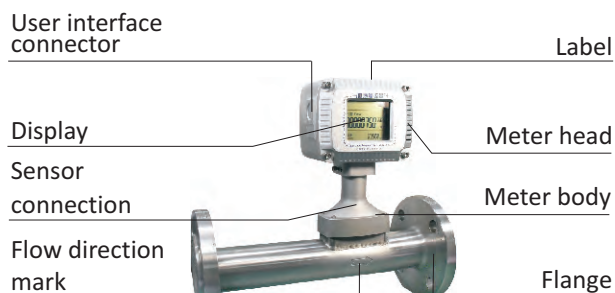
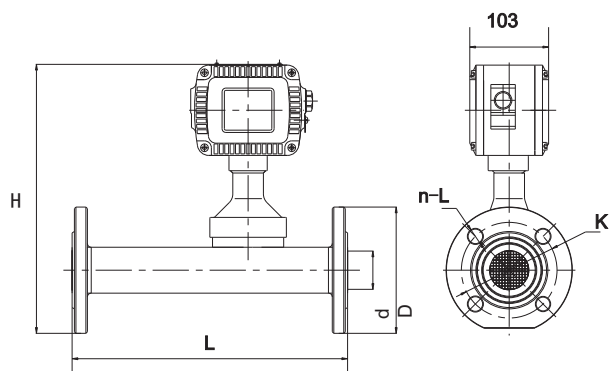
MF-series Thermal mass meters are specially designed for metering utility gas such as natural gas. These meters are powered by battery and an ideal replacement for traditional mechanical meters where the rangeability or turn-down ratio often falls short of actual accumulated flow. In addition, MF-series mass flow meters offer temperature and pressure compensation and are ready for networking or remote data access. The meters can be applied to pipe diameters from 25 to 100 mm and gas flow speed from 0.1 to 1500 Nm³/hr, with a rangeability or turn-down ratio over 100:1.

Features

- ▲ Integrated multiple sensors, significantly increase the dynamic rangeability
- > Proprietary sensor design with enhanced reliability
- N Unique low power MEMS flow sensor technology
- N Large data storage capability for data logging and analysis
- N Ready for remote data reading and networking
- N Best for medium pipe line pressure



Mechanical Dimensions



Model	DN(mm)	L	H	D	d	k	n-L	Ref
MF-25	25	300	315	115	25	85	4-φ14	1.Flange GB/T9119-2000 2.Max pressure 1.5MPa For other requirements please contact manufacturer
MF-50	50	360	344	165	50	125	4-φ18	
MF-80	80	400	374	200	80	160	8-φ18	
MF-100	100	400	496	220	100	180	8-φ18	

Specifications

Applications	Model	DN (mm)	Q _{max} Flowrate (Nm ³ /hr)	Q _{min} Flowrate (Nm ³ /hr)	Initial Flowrate (Nm ³ /hr)	Accuracy (±1.0)		Accuracy (±1.5)		Max. Pressure (MPa)	Pressure loss at full scale (kPa)	Pulse Output (Nm ³ /Pulse)
						0.1Q _{max} ≤ Q ≤ Q _{max}	Q _{min} ≤ Q < 0.1Q _{max}	0.1Q _{max} ≤ Q ≤ Q _{max}	Q _{min} ≤ Q < 0.1Q _{max}			
Natural gas	MF25FD-1	25	60	0.6	0.1	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.4	0.1
	MF25FD-2	25	100	1.0	0.1	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.9	
	MF50FD-1	50	200	2.0	0.4	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.3	1
	MF50FD-2	50	300	3.0	0.4	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.6	
	MF50FD-3	50	400	4.0	0.4	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.9	
	MF80FD-1	80	600	6.0	1.0	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.28	
	MF80FD-2	80	800	8.0	1.0	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.5	
	MF80FD-3	80	1000	10	1.0	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.78	
	MF100FD	100	1500	15	1.5	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.8	
Liquefied petroleum gas	MF25FD-A	25	25	0.25	0.1	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.1	0.1
	MF50FD-A	50	100	1.0	0.4	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.08	1
	MF80FD-A	80	250	2.5	1.0	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.07	
	MF100FD-A	100	400	4.0	1.5	± 1.0	± 2.0	± 1.5	± 3.0	1.5	0.06	

Environment Temperature	-20 ℃ to +60 ℃
Medium Temperature	-10 ℃ to +55 ℃
Humidity	< 95%RH (No icing or condensation)
Power Supply	Li-Ion battery L3638A
Battery life	36 months
Real time clock life	10 years
LCD display	Flowrate, Accumulated flowrate, battery status
Output	RS485, Pulse
Calibration	Air (20°C, 101.325KPa)
Mechanical	Flange X DB %

Accessories



High Efficiency Filter

Various models

Please contact manufacturer