



MEMS mass flow meters

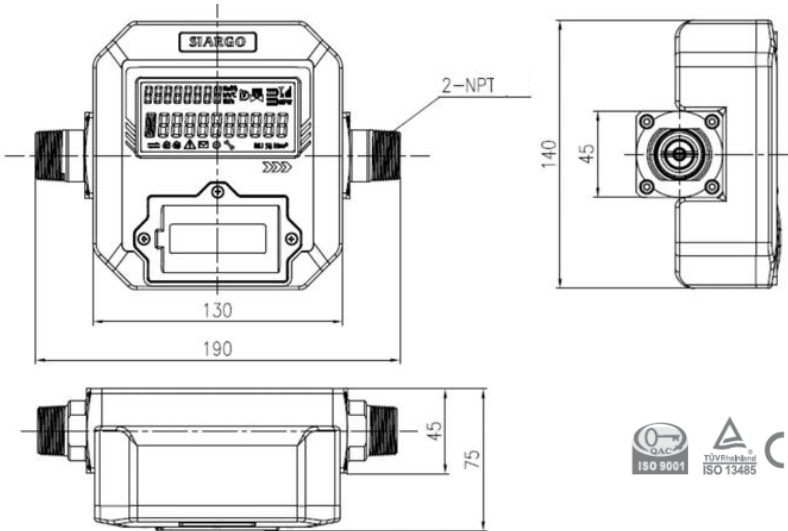
With Thermal-D sensing technology

MFHD Series

MFHD series mass flow meters are manufactured with Siargo's *Thermal-D* mass flow sensing technology for fuel metering applications including fuel cylinders and city gas metering. Remote data via wireless data options enables the ultimate management of the city fuel supply with cylinders. The fuels applicable include LPG and city natural gases. It is optional with fuel thermal value data that could be used for reference for tariff.

The complete series covers residential as well as small commercial applications. The products are fully certified by CSA for working in hazardous zones in North America and ATEX-proof in Europe.

Dimensions



Siargo Ltd.
Santa Clara, California
www.Siargo.com
408.969.0368
info@Siargo.com



Specifications

All specifications listed in the following table, unless otherwise noted, apply for calibration conditions at 20°C and 101.325 kPa absolute pressure. The product is horizontally mounted at calibration.

		LPG	Air	Unit
Flow range	MF19HD	0.06~10 m ³ /h	0.24 ~ 24 m ³ /h or 4 ~ 400SLPM	
	MF25HD	0.10~16 m ³ /h	0.36 ~ 36 m ³ /h or 6 ~ 600SLPM	
Turn-down ratio		160:1	100:1	
Accuracy		Class 1.5	±(1.5 r.d.+0.25 FS)%	
Working temperature			-40 ~ 60	°C
Working pressure			50~150	kPa
Maximum pressure			300	kPa
Power supply*		5 years minimal, lithium-ion battery, 3.6V, 19AH		
		3 year, communication battery, 3.6V, 19AH		
Data interface		RS485 Modbus, BTLE, or customized		
Reference conditions		20°C, 101.325 kPa, air		
Storage temperature			-30 ~ 70	°C
Hazardous rating		Ex ib II B T ₃ Gb (battery-powered models)		
Protection			IP66	
Gas compatibility**			Noncorrosive	
CE			EN61326-1	

*Battery life depends on usage and environment, for LPG cylinder applications, battery life can be a minimum of 10 years.

**For other gases, please contact the manufacturer.