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MF5700 Series 'Portable' Battery Powered Gas Flow Meters

The Products

MF5700 Series mass flow meters feature cost effective ultra low power operation via 4x AA batteries. The quick fit portable design has exchangeable end fittings and easy data access coupled with user programmable capabilities. The internal data storage is useful for industrial on-site applications logging. The meters can be customized for various general purpose gas flow applications.



Mechanics



Food



Tobacco



Chemistry



Beverage



Glass



Agriculture



Research



Pharma

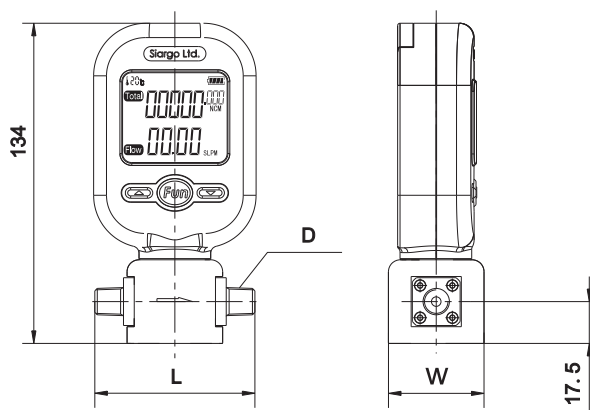


Instrumentation

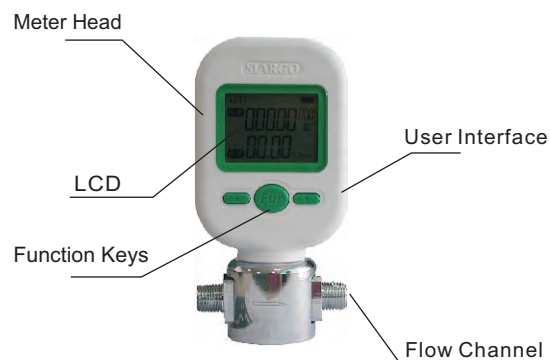
Features

- > Ultra low power consumption via batteries or optional external AC adaptor
- > Potable design with rotatable meter head and easy change mechanical adaptors
- > Customizable flow range with over 30:1 turn-down
- > RS485 Modbus protocol ready for networking
- > User programmable range alarm for safety and other monitoring/control functionality
- > Internal data storage capability (software & cable supplied)
- > Hygienic and oxygen safe copper body for various gases

Mechanical Dimensions



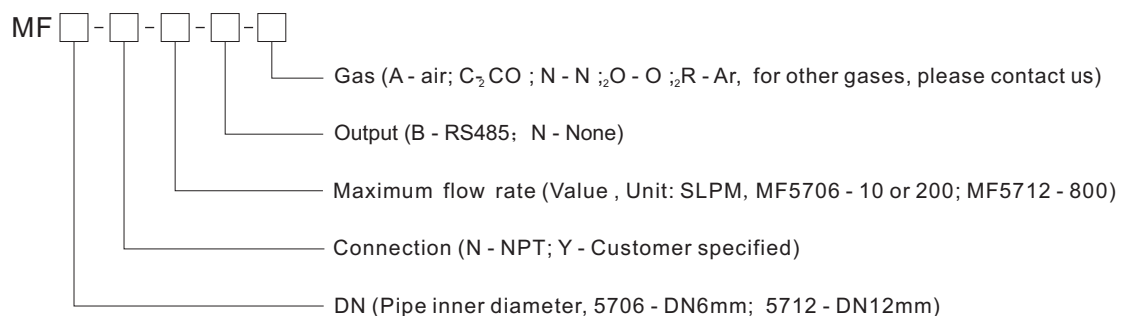
	L	W	D
MF5706	67	40	NPT 1/4
MF5712	98	50	NPT 1/2



Specifications

		MF 5706		MF 5712	
Flow Range		0 ~ 10	0 ~ 200	0 ~ 800	SLPM
Turn-down ratio		30:1			
Accuracy		± (2.0+0.5FS)			%
Repeatability		0.5			%
Response Time		< 2			sec
Power Supply		4x AA batteries / 5 ~ 10 Vdc (with 220 Vac adaptor)			
Output		RS 485 (Optional)			
Display		LCD			
Display Units		Instant flow rate: SLPM; Accumulated Total: NCM			
Display Resolution	Instant flow rate	0.01	0.1	0.1	SLPM
	Flow accumulation	0.001			NCM
Continuous Working time		> 60 days (with batteries)			
Max. Pressure		≤ 0.8			MP a
Working Temperature		-10 ~ +55			°C
Storage Temperature		-20 ~ +65			°C
Humidity		< 95%RH (Non icing or condensation)			
Keyboard		3 keys			
User Interface		mini USB (cable included)			
Calibration		N ₂ @ 20 °C, 101.325 kPa			
DN		6	12		mm
Mechanical Connection (Male)		NPT 1/4"		NPT 1/2"	
Weight		350			g

Product Selection



Typical flow range:

Model	DN	Connection	Flow Range	
			SLPM	NCMH
MF5706	6mm	1/4"	10	0.6
			200	12
MF5712	12mm	1/2"	800	48