

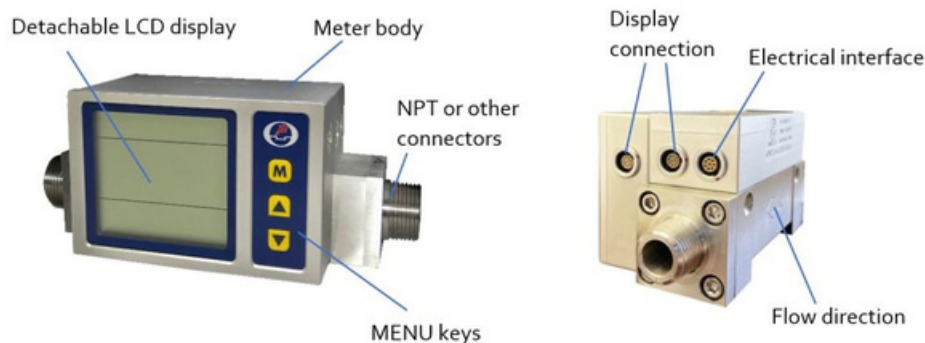


Mass Flow Meter for Gases

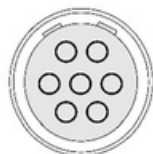
Model MF5600



This product is designed for medical gas mass-flow measurement, in particular, medical oxygen and other gas flow management. It opts a detachable meter LCD display and 4-20mA interface are also available.



- Mass flow meter
- Detachable meter head
- 4-20mA
- Modbus TCP/IP
- Medical oxygen flow with pressure and gas temperature



Wire	Color	Definition
1	Red	Power supply (12 ~ 24 Vdc)
2	Black	GND, ground
3	Green	RS485A (+)
4	Brown	RS485B (-)
5	Violet	4 ~ 20 mA, flow rate output
6	White	4 ~ 20 mA/pulse ground
7	Yellow	Pulse output



Specifications

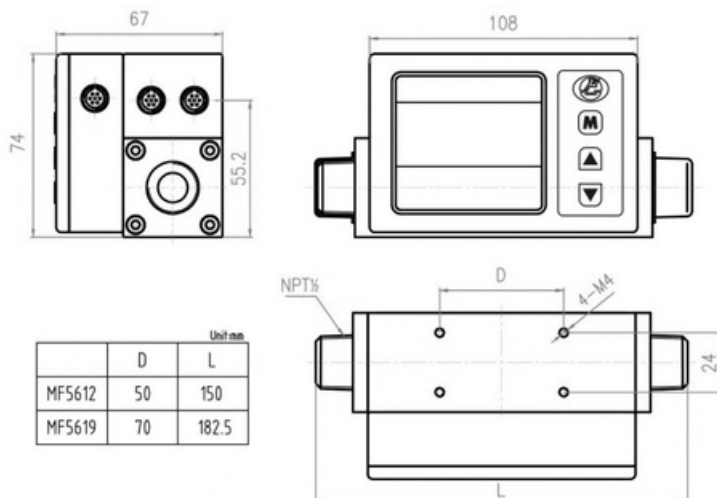
	MF5612	MF5619	Unit
Full-scale flow range	200 / 300	600 / 800	SLPM
Accuracy	$\pm(1.5+0.5FS)$		%
Repeatability	$(0.5+0.15FS)$		%
Turn-down ratio	30:1 (100:1 customizable)		
Response time	1000 (default)		msec
Working temperature	-10 ~ +55		°C
Maximum pressure	1.0		MPa
Humidity	<95, no condensation		%RH
Power supply	12 ~ 24 (50 mA)		Vdc
Cable	Power/data cable; detachable LCD cable.		
Digital output	RS485 Modbus half-duplex / 4 ~ 20 mA / Pulse		
MENU access	3 key – front face keyboard/digital		
Display	Detachable LCD: instant flow rate, totalizer, or accumulated flow rate		
Mechanical connection	NPT or customized		
Storage temperature	-20 ~ +70		°C
Reference conditions	20°C, 101.325 kPa, air		
Weight	1.62	2.05	kg
Fluid compatibility	Non-corrosive		
CE	EN61326-1; -2; -3		

*All specifications listed in the following table, unless otherwise noted, apply for calibration conditions at 0 °C and 101.325 kPa absolute pressure with air. The product is horizontally mounted during calibration.

**For other options, please contact the manufacturer.

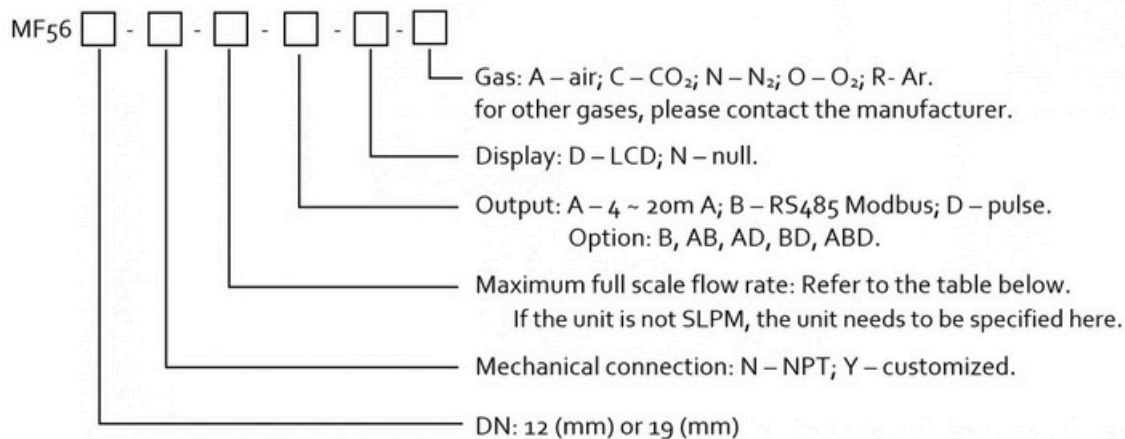


Mechanical dimensions



Product selection and order

The product part number consists of the product model number and suffixes indicating the full-scale flow rate, as well as other parameters. Refer to the following for details.



Connection and maximum full-scale flow rate selection

Model	DN (mm)	Connection	Maximum full-scale flow rate	
			SLPM	NCMH
MF5612	12	NPT 1/2"	200, 300	12, 18
MF5619	19	NPT 3/4"	600, 800	36, 48

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