



MEMS Mass Flow Meters

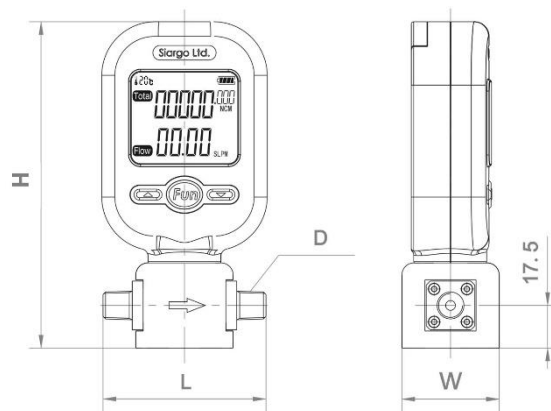
IoT and control valve ready

EMF5700 Series

EMF5700 series mass flow meters are designed for general purpose flow metering and control applications enabled by IoT or wireless data while having the mobile power option. With Siargo's proprietary MEMS mass flow sensing technology and smart electronic circuitry, the products offer unprecedented cost-effectiveness with performance. The sensors directly measure mass flow with a very low pressure loss, opt with various wireless transmissions, and control ON/OFF valve. The current models can be readily applied to many process applications.

EMF5700 can measure a flow up to 200 SLPM. The mechanical connectors can be fully customized.

Dimensions



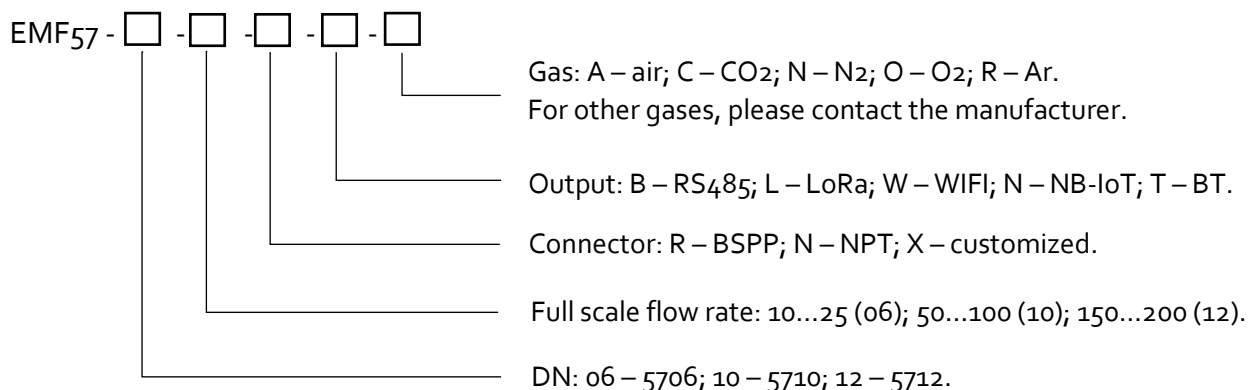
	L	W	H	D
5706	61	34	127	1/2"
5710	81	45	134	3/8"
5712	90	45	141	1/2"

Specifications

Flow range	0~10...25 (06) / 0~50...100 (08) / 0~150...200 (12)	SLPM
Accuracy	$\pm(2.0+0.25FS)$	%
Repeatability	0.5	%
Response time	< 2.0 on battery	sec
Power supply	4-AA (LR) / 6~15 Vdc with AC adapter	
Output	RS485 Modbus	
Wireless	LoRa / WIFI / NB-IoT / BT LE	
Pressure rating	0.8	MPa
Temperature	-10 ~ 55	°C
Humidity	<95 (no condensation)	%RH
Mechanical connection	BSPP	
Data interface	USB Type-C	
User program	Front face, 3 keys, or via Modbus	
Calibration	Air @ 20°C, 101.325 kPa	
Storage temperature	-20 ~ 70	°C

Note: Parameters specified at the calibration conditions.

Product selection



- Note:**
1. For CO₂ and N₂O, the full-scale flow rate is 80% of air.
 2. Only one of the wireless options can be selected for each model.