



# MEMS Microfluidic Meters

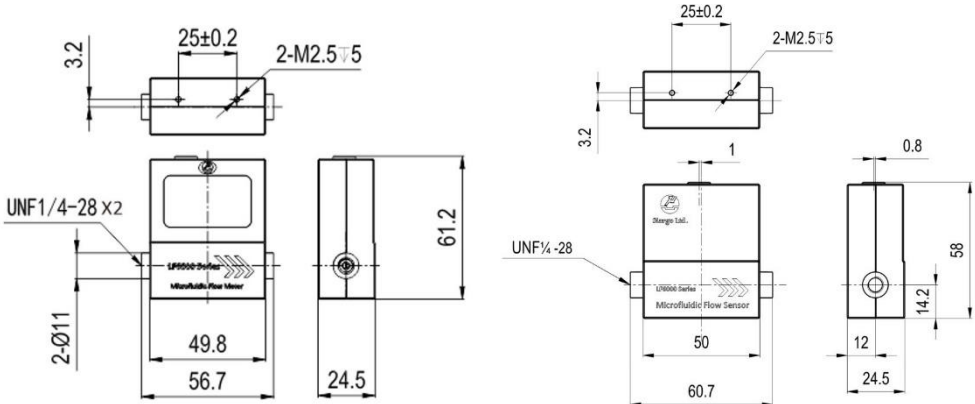
With thermal time-of-flight sensing

LF6000 Series

**LF6000 series microfluidic flow meters and sensors** are designed for general-purpose microfluidic flow metering and control applications and are made with Siargo's proprietary MEMS thermal time-of-flight sensing technology and smart electronic circuitry that offers excellent reliability and rangeability. The current models can be readily applied to medical, bioscience, health care, pharmaceutical process, fuel cells, and many others. Disposable options are available upon contacting the manufacturer.

LF6000 can measure a flow from 500 nL/min up to 500 mL/min (scm).

## Dimensions



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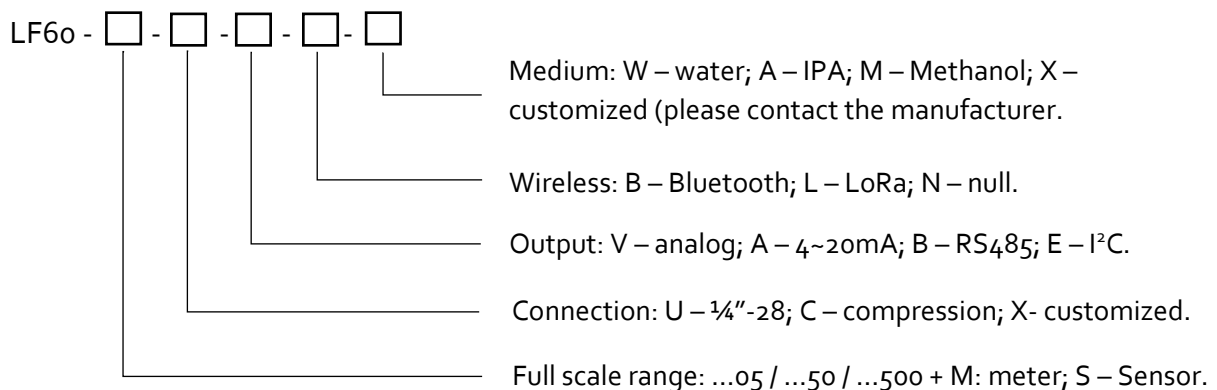


## Specifications

Flow range	0~5 / 0~50 / 0~500	sccm
Accuracy	$\pm(2.0+0.5FS)$	%
Repeatability	0.5	%
Response time	200 (others programmable)	msec
Power supply	8~24	Vdc
Pressure rating	0.8	MPa
Temperature	5 ~ 50	°C
Output	Linear: 0.5~4.5 Vdc / Digital: I <sup>2</sup> C / IO-Link	
Wireless	BT LE	
Display	OLED	
Mechanical connection	1/4"-28 flat bottom M	
Pin-out	M8	
Calibration	DI - water @ 20°C, 101.325 kPa	
Wetted materials	PEEK, SiNx, Stainless steel	
Protection	IP50	
Weight	<220 with display	g
Storage temperature	-20 ~ 70	°C

**Note:** Parameters specified at the calibration conditions.

## Product selection



**Note:** For special range, please contact the manufacturer.