



## Microfluidic Flow Meters

With TTOF technology

LF6000 series

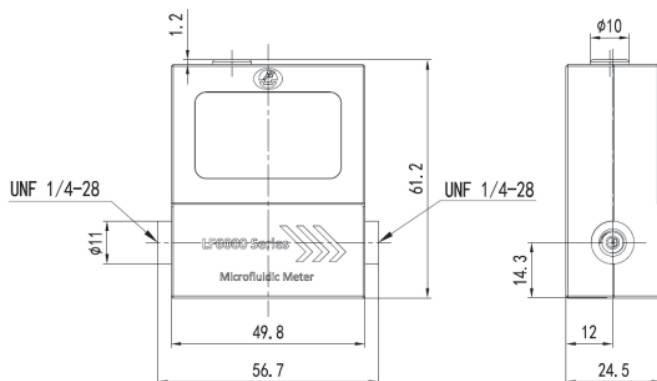
This serial of microfluidic flow meters is made with the company's proprietary micromachined thermal time-of-flight fluidic flow sensor. The products have a large dynamic range of 100:1 with excellent stability and temperature performance. Fully customization is also available upon requests.

### Features

- ⦿ MEMS Thermal time-of-flight technology
- ⦿ Large dynamic range over 100:1
- ⦿ Excellent temperature performance
- ⦿ UNF 1/4"-28 for plug-and-play
- ⦿ Small dead volume less than 7 $\mu$ L
- ⦿ Bluetooth LE enabled with Cloud data option

### Applications

- \* General purpose microfluidic flow metering
- \* Analytical instrumentation
- \* Pharmaceutical process control
- \* Precision chemical
- \* Laboratory & research
- \* Medical automation



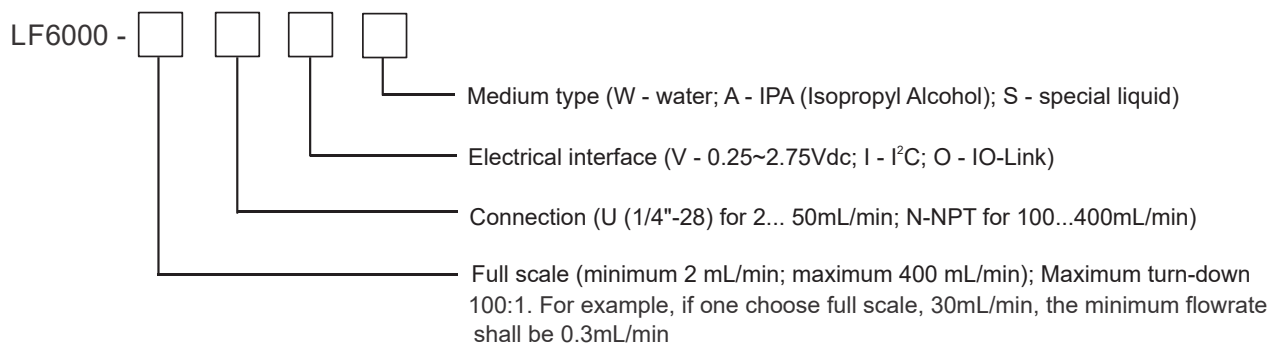
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## Specifications

	Value	Unit
Full scale flow range	2 ... 50 / 100 ... 400	mL/min
Turn-down	100:1	
Accuracy	±(2.0+0.5FS)	%
Working temperature	5 ~ 50	°C
Temperature effects	< 0.02	%/°C
Pressure rating	8	bar
Maximum pressure	10	bar
Dead volume	< 7.0	µL
Power supply	3.6 ~ 6.0	Vdc
Electrical interface	I2C/ 0.25~2.75 Vdc/IO-Link optional	
Wireless	Bluetooth 4.2 with APP and optional cloud data	
Response time	<100	msec
Display	OLED	
Mechanical connection	1/4" - 28 (0~50mL/min); NPT or customized (0~400mL/min)	
Wetted materials	Polyphenylsulfone, PEEK, SiNx, and stainless steel	
Reference conditions	20°C, 1013 mbar; DI water	
Storage temperature	-10 ~ +70	°C
Weight	<230	gram
Protection	IP50	
CE/RoHS	EN61326-1; -2;-3	

## Order information

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



Note: for special liquid, please contact the manufacturer.

- Please find your local sales contact at [www.Siargo.com](http://www.Siargo.com).
- For detailed product information or user manual please contact manufacturer.