



MEMS mass flow sensors

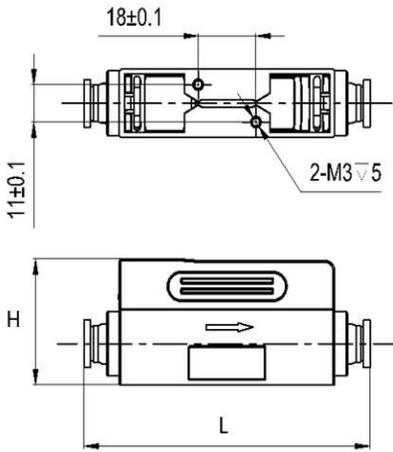
With ***Thermal-D*** sensing technology

FS3000 Series

FS3000 series mass flow sensors are designed with Siargo's *D-Thermal* mass flow sensing technology for automation and process control applications. It can be readily applied for air / compressed air, oxygen, nitrogen, argon, and carbon dioxide without changing settings, and other dry and clean gases can also be measured. The connector can be adjusted for one-touch, compressed fitting, and others for automation control applications.

FS4308 series can measure a mass flow of up to 1000 SLPM. The standard electrical switching options are also incorporated, and the products are fully **RoHS and REACH compatible**.

Dimensions



Range (SLPM)	L	H*	D
20, 50, 100, 200	91	37	20
500, 1000	104.5	54.0	29

Note: 500/1000 SLPM model with NPT 1/2"
 20...200 range can be any connectors
 H* = 44/61 for models with display



Siargo Ltd.
 Santa Clara, California
www.Siargo.com
 408.969.0368
info@Siargo.com



Specifications

Range	0~100... 200/ 0~300...1000	SLPM
Accuracy*	$\pm(2.0+0.15FS)$	%
Repeatability	0.5	%
Operating temperature	-10~60	°C
Pressure range	-50.0 to 1000	kPa
Humidity	<95, no condensation	%RH
Supply voltage	8~28 (5Vdc optional)	Vdc
Switch output	NPN or PNP	
Pulse output	0.1 ... 1...10	L
Analog output	1.00±5.00 Vdc or 4...20 mA	
Response time	25.0... 2000	msec
Display option	LED	
Warm-up time	50	msec
Digital output	RS485 Modbus or I ² C	
Protection	IP40	
Calibration	Air @ 20°C, 101.325 kPa	
Compatibility	RoHS, REACH, CE	

Note: Parameters specified at the calibration conditions.

Product selection

FS3000 -

Connector: O₄ or O₈ – one-touch 4 or 8mm; R – R ¼"; For >200SLPM: R1- ½"; O₁₀ – one touch 10mm.

Full scale flow rate: 100... 200; 300...1000

Note: 1. 0.5m data/power cable will be included free of charge.
 2. Vibration: 20g (MIL-STD-883J e/CHANGE 4)
 3. Shock: 30g (MIL-STD-883J e/CHANGE 4)

Electrical Connection

Pin	Conn	Color
1	485B /Vs 2	Blue
2	Vs 1	Green
3	Vout	Red
4	GND	Black
5	485A	Yellow



Connector: AMP MODU MTE
 5-positions or compatible.