



## FSG4000 Series Gas Flow Sensors

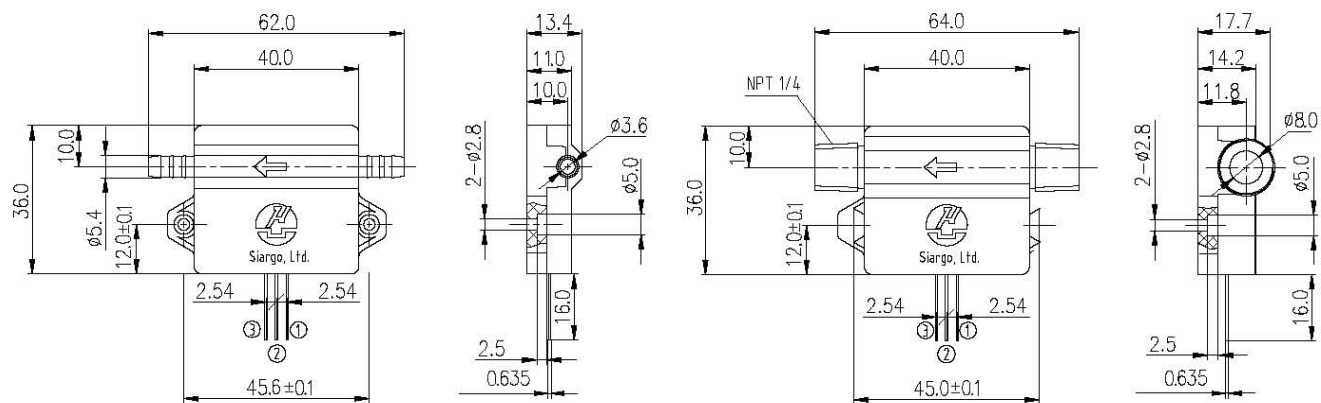
### The Products

**FSG4000 Series** mass flow sensors are manufactured with Siargo's proprietary MEMS mass flow sensors that have excellent capability for large dynamic range. The series are specially designed in 3mm and 8 mm pipelines, respectively, for measuring air mass flow in a small package and can be applied for various industrial applications where monitoring of high speed air mass flow is required. The design also allows customer to specify the desired mass flow range up to 70m/sec. Both uni-directional and bi-directional air flow can be measured with directional markers. The design is compact and easy for installation and manifold assembly.

### Features and Applications

- ✎ Fast response
- ✎ High speed air mass flow capability
- ✎ Excellent rangeability with integrated multiple sensing elements
- ✎ Linearized analog voltage output
- ✎ Low pressure loss
- ✎ Compact design
- ✎ Cost effective package

### Mechanical Dimensions and Specifications



FSG4003

FSG4008

深圳市新世联科技有限公司

## Specifications

	FSG4003	FSG4008	
DN	3.0	8.0	mm
Flow Range	1, 2, 5	10, 20	SLPM
Turn-down Ratio	≥ 100:1		
Accuracy	± (4 + 1 FS)		%
Repeatability	2.0		%
Null Shift	± 30		mV
Response Time	10		msec
Power Supply	8 ~ 18 Vdc, 50 mA		
Output	Linear, Analog 0.5 ~ 4.5 Vdc		
Pressure Drop (Max.)	100	500	kPa
Max. Working Pressure	0.4		MPa
Working Temperature	-5 ~ +55		°C
Storage Temperature	-20 ~ +65		°C
Humidity	< 95 %RH (No icing or condensation)		
Mechanical Connection	V-nozzle	NPT 1/4	
Calibration	N <sub>2</sub> (or other gases) @ 20 °C, 101.325 kPa		
Weight	15	23	g

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