



## Air Flow Calibrator

*An easy to use standard flow meter for calibration of flow measuring instruments in air sampling equipment and industrial processes*

### Available Model:

<b>PSI- AFC1 (L)</b>	Range: 2.00 cc/min to 200.00 cc/min
<b>PSI- AFC1 (M)</b>	Range: 0.03 L/min to 3.000 L/min
<b>PSI- AFC1 (H)</b>	Range: 0.200 L/min to 20.000 L/min



### Applications:

Calibration of rotameters, orifice meters, digital flow meters, air sampling pumps (vacuum or pressure) etc.

### Physical Design Highlights:

Model PSI-AFC-1 employs a mass air flow sensor which comprises a micro bridge chip housed in venturi type flow housing. This arrangement permits in-line flow measurement without introducing any significant pressure drop.

Also the micro bridge chip being in direct contact with the flow stream greatly reduces possibilities of errors in measurement due to orifice or bypass channel clogging. The microprocessor based electronics performs the tasks of data acquisition, linearization, and gas calibration and operator interface including data display etc.

The three models are designed to cover wide flow ranges starting from 200.00 cc/minute full scale to 20.000 LPM full scale.

### Salient Features

- Flow Accuracy  $\pm 2\%$  of reading
- Fully Portable
- Multiple Units Option
- Wide Measuring Range
- Mass Air Flow Sensor
- Measures Flow from Pressure or Vacuum Source
- Gas Selection Mode

## Specifications

→ Specification↓	Model <b>PSI-AFC-1L</b>	<b>PSI-AFC-1M</b>	<b>PSI-AFC-1H</b>
<b>Flow Measuring Range</b>	2.00 cc/min to 200.00 cc/min	0.03 to 3.000 L/min	0.200 to 20.000 L/min
<b>Flow Sensor</b>	Precision, Mass Air Flow Sensor		
<b>Accuracy</b>	± 2% of Reading		
<b>Display</b>	32 character alphanumeric backlit LCD Module		
<b>Operating Keys</b>	3 Nos.		
<b>Key Functions</b>	Select Gas, Select Units, Auto zero		
<b>Power Supply</b>	12 V DC supplied through AC Adaptor		
<b>Pneumatic Connection</b>	Ferruleless Union	Push fit for 6 mm PU tube	Push fit for 8 mm PU tube
<b>Dimensions</b>	6 cm (H) x 16cm (W) x 21cm (D)		
<b>Weight</b>	750 gm		

## Accessories

Filter cartridges for Flow calibrators, Carrying bag

## Related Products

**Digital Air Flow Calibration System** Model PSI-DFCS-1L, PSI-DFCS-1M, PSI-DFCS-1H

**Low Flow Digital Calibrator** Model PSI-DFC-1L

**Digital Orifice Flow Calibrator** Model PSI-OFC1, Model PSI-OFC2, Model PSI-OFC3

**Digital Flow Meter** Model PSI-DFM-1L, Model PSI-DFM-1M, Model PSI-DFM-1H

**Top Loading Orifice Calibrator** Model PSI-TLOC1 & PSI-TLOC2.

## Distributed and supported by

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