



## Digital Gas Flow Meter



DFM-01  
DFM-02  
DFM-03



DFM-04



DFM-05



DFM-06

**Principle:** The DIGITAL FLOW METER is based on the classical method viz. Soap film method. The instrument is automated by using Microcontroller which provides highly accurate measurement and direct digital read out of gas flow rate. The time required for the soap film to pass through a fixed known volume is measured. The soap film is sensed by IR sensors. When the soap film passes through first sensor, it activates the timer of Microcontroller. Timer is stopped when the film crosses the second sensor. The flow rate is then calculated by Microcontroller and instantly displayed in ml/min. Whereas DFM-05 & DFM-06 are direct flow measurement based & battery operated.

### Salient Features:

- Direct Digital Readout
- Microcontroller Based
- Digital Display of LED/LCD
- Useful for measuring any gas flow rate especially for G.C. & Analytical Instruments.
- Highly Accurate and fast readout
- Easy to Operate
- Free of Operational & Human errors
- DFM-01, 02, 03 & 04 - Table Mounting (Soap Solution based)

### Technical Specifications:

<b>Flow Range</b>	DFM-01 : 1 ml/min. to 50 ml/min. with least count of 0.1 ml/min DFM-02 : 5 ml/min. to 500 ml/min. with least count of 1 ml/min DFM-03 : 200 ml/min. to 2000 ml/min. with least count of 1 ml/min DFM-04 : 1 ml/min. to 500 ml/min. with least count of 0.1 ml/min (auto range) DFM-05 : 1 ml/min. to 1000 ml/min. with least count of 0.1 ml/min (auto range) DFM-06 : 10 ml/min. to 400 ml/min. with least count of 1 ml/min (auto range)
<b>Accuracy</b>	±2% of Reading, ±1 Digit
<b>Power Supply</b>	230 V AC, 50 Hz, 10W
<b>Resolution</b>	0.1 ml/min. & 1 ml/min
<b>Optional Attachment</b>	Battery Operated Rechargeable System