

ELECTRONIC GAS VOLUME METER

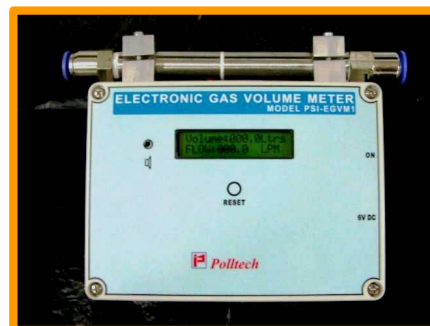
Available Models

PSI-EGVM-1L, PSI-EGVM-1M, PSI-EGVM-1H

Flow and sampled volume measurements are of fundamental importance in air pollution monitoring particularly in stack emission monitoring. US EPA has stipulated a number of requirements with respect to range, accuracy and stability for dry gas meters. Dry gas meters are mechanical volume totalizers which are now being replaced by their electronic counterparts.

Salient Features

- ☞ Digital Display of Flow and Volume
- ☞ Online Integration of Flow
- ☞ Fully Portable
- ☞ Flow Accuracy $\pm 2\%$ of Full scale
- ☞ Wide Measuring Range
- ☞ Precision Orifice Flow Sensor
- ☞ Measures Flow from Pressure or Vacuum Source



PSI-EGVM-1H

Model PSI-EGVM1 is a micro-processor based electronic instrument which basically measures flow and carries out the volume totalization programmatically. Totalized volume is updated every second, the timing function being carried out internally by the microprocessor.

Model PSI-EGVM1 employs a precision orifice for flow measurement. The pressure drop that develops across the orifice is measured by a low pressure solid state pressure sensor. It takes advantage of multi-point linearization technique to enhance accuracy and the dynamic range of measurements. The flow and volume measurements are continuously displayed on a digital LCD module. The instrument also has a provision for manually resetting the totalized volume to zero.

Detailed Technical Specifications

Model → Specification ↓	PSI-EGVM-1L	PSI-EGVM-1M	PSI-EGVM-1H
Flow Range	0.10 to 2.00 LPM	0.50 to 10.0 LPM	2.0 to 80.0 LPM
Flow Sensor	Precision Orifice		
Volume Ranges	Two		
Volume Range 1	0 to 99.99 Liters	0 to 99.99 Liters	0 to 999.9 Liters
Volume Range 2	999.9 Liters	999.9 Liters	9999 Liters
Range Selection	Auto-ranging		
Accuracy	$\pm 2\%$ of Full Scale		
Display	32 character Alphanumeric backlit LCD Module		
Volume Reset	Reset key provided		
Power supply	4x1.5V Type AA Dry Cells		
Mains operation	AC Adaptor available as option		
Dimensions & Weight	21 (L) X 14 (W) X 7 (H) cm 800 Gm.	18 (L) X 14(W) X 7(H)cm 800 Gm.	21 (L) X 16 (W) X 7 (H) cm 1 Kg.

Accessories

Carrying case, Filter cartridge

Related Products

Low Flow Digital Calibrator Model PSI-DFC-1L

Air Flow Calibrator PSI – AFC-1L, PSI- AFC-1M, PSI- AFC-1H

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

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

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

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

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