

## MPB SERIES 1750 VARIABLE AREA FLOWMETER

The MPB Series 1750 range of Variable Area Flowmeters offer an excellent means of instantaneous flow rate measurement.

The materials of construction offer compatibility to a wide range of industrial process mediums.

The Series 1750 can be fitted with Hi and Lo latching alarms.

The end connections can be supplied in stainless steel, or rigid PVC.

The units are fitted with a calibrated scale. A metric scale of 100mm is permanently fixed on the tube. A useful blank scale plate can also be provided for customers own calibrations if required.

The Series 1750 can be used to measure the flow rate of most process gases and liquids.

Ranges up to 125 L/min of water (or 1750 L/min air @ 1013 mbar abs 20°C) are supplied as standard.

An economical latching alarm device is also available, this enables the alarm to remain activated whilst flow is above or below a set point. This reduces expensive electronic circuitry and is ideal for remote and process control applications.

A rear of panel mounting kit is available complete with bezel and all fittings.



### SERIES 1750 FEATURES

- \* DIRECT READING OF INSTANTANEOUS FLOW RATES
- \* ECONOMICAL LATCHING ALARM(S)
- \* POLYCARBONATE SAFETY COVER
- \* METRIC SCALES
- \* PVC, OR STAINLESS STEEL CONNECTIONS ARE AVAILABLE AS STANDARD
- \* TUBE ASSEMBLY EASILY REMOVED AND REPLACED IN-SITU
- \* PLAIN SCALE PLATE FOR CUSTOMER CALIBRATION CAN BE SUPPLIED
- \* WIDE RANGE OF STANDARD FLOW RATES
- \* LIGHTWEIGHT CONSTRUCTION
- \* ROBUST DESIGN
- \* GUIDED FLOATS ARE USED ON ALL RANGES GIVING A STABLE READING
- \* CAN BE SUPPLIED WITH FLANGES
- \* IN-LINE, OR PANEL MOUNTING

## 1750 VARIABLE AREA FLOWMETER

Chassis:	Anodised aluminium to BSEN12373/AA25	Weight:	1100 grams (typical)
End Blocks:	Rigid PVC, or Stainless steel	Maximum Working Pressure:	Gas: 10 bar g (non shock) Liquid: 12 bar g (non shock)
Process Connections:	1/4", 1/2", 3/4" & 1" BSPFF	Maximum Working Temperature:	60°C Nitrile 100°C Viton
Cover:	Polycarbonate	Accuracy:	± 5% FSD predicted
Seals:	Nitrile, or Viton or to customer specification	Optional Alarm:	Rating: 100V max. 1 amp max. 10VA max. Resistive load Contacts N/O
Metering Tube:	Fully stress relieved Borosilicate glass with metric 0-100mm permanently fired scale	Connection:	2 metre flying lead, or supplied to customer required length
Scale:	Adjustable calibrated scale (blank scale if required)	Flow Reading:	To be taken from scale, level with top of float
Floats:	Hard anodised aluminium Stainless steel		

### STANDARD RANGES

AIR @ 1013 mbar abs 20°C	WATER @ 20°C	WATER @ 20°C
15 – 150 L/min	0.5 – 5 L/min	30 – 300 L/hr
30 – 300 L/min	1.0 – 10 L/min	60 – 600 L/hr
75 – 750 L/min	2.0 – 20 L/min	120 – 1200 L/hr
100 – 1000 L/min	2.5 – 25 L/min	150 – 1500 L/hr
150 – 1500 L/min	5.0 – 50 L/min	300 – 3000 L/hr
175 – 1750 L/min	– 60 L/min	360 - 3600 L/hr
	7.5 - 75 L/min	450 - 4500 L/hr
	10 - 100 L/min	600 - 6000 L/hr
	12 - 125 L/min	750 - 7500 L/hr

Customised flow ranges are available. Please consult MPB Industries to select the required flow range for the process fluid.

Illustration shown  
with MPB CV200  
Flow Control  
Valve



Due to the constant development and improvement of products, information may be altered or withdrawn without notice.