

MPB SERIES 1750 VARIABLE AREA FLOWMETER

GENERAL INFORMATION

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 1750 Flowmeter 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 fired on the tube. A useful blank scale plate can also be provided for customers own calibrations if required.

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

Ranges up to 125 L/min of water (or 3000 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 RANGES
 - LIGHTWEIGHT CONSTRUCTION
- GUIDED FLOATS ARE USED ON ALL RANGES GIVING A STABLE READING
 - CAN BE SUPPLIED WITH FLANGES
 - IN-LINE, OR PANEL MOUNTING

MPB SERIES 1750 VARIABLE AREA FLOWMETER

Chassis:	Anodised aluminium to BSEN12373/AA25	Weight:	1100 grams (typical)
End Blocks:	Rigid PVC, or 316 Stainless Steel	Maximum Working Pressure:	
Process Connections:	1/4", 1/2", 3/4" & 1" BSPPF, or NPTF	Gas:	10 bar g (non-shock)
Cover:	Polycarbonate	Liquid:	12 bar g (non-shock)
Seals:	Nitrile, Viton, EPDM, etc	Maximum Working Temperature:	
Metering Tube:	Fully stress relieved Borosilicate scale glass with metric 0-100mm permanently fired scale	60°C Nitrile	
Scale:	Adjustable calibrated scale (blank scale if required) Permanently fired black ceramic	100°C Viton	
Floats:	Hard anodised aluminium 316 Stainless steel PVC	Accuracy:	± 5% FSD predicted
		Optional Alarm Rating:	0.5 A <50V AC, 10VA Max. 0.5 A <75V DC, 10W Max Contacts N/O
		Connection:	2 metre flying lead, or supplied to customer required length
		Flow reading:	To be taken from scale, level with top float

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 - 10 L/min	60 - 600 L/hr
75 - 750 L/min	2 - 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 - 50 L/min	300 - 3000 L/hr
175 - 1750 L/min	6 - 60 L/min	360 - 3600 L/hr
200 - 2000 L/min	7.5 - 75 L/min	450 - 4500 L/hr
300 - 3000 L/min	10 - 100 L/min	600 - 6000 L/hr
	12 - 125 L/min	750 - 7500 L/hr

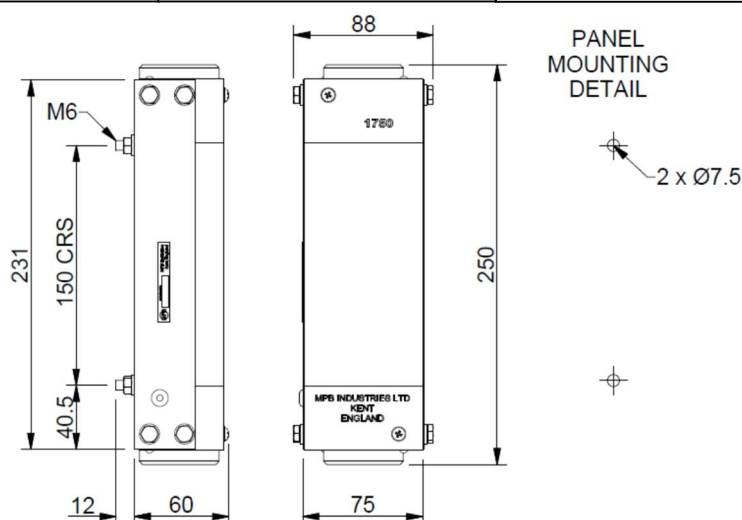


Illustration shown with
MPB CV200
Flow Control Valve

Please contact MPB Sales
Office for rear of panel
mounting kit details.

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

MPB Industries Ltd - Designers and Manufacturers of Scientific and Process Control Instrumentation

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