

MPB SERIES 3500 VARIABLE AREA FLOWMETER

GENERAL INFORMATION

The MPB Series 3500 Variable Area Flowmeter offers an excellent means of instantaneous flow rate measurement. The materials of construction offer compatibility to a wide range of industrial process mediums.

The 3500 Variable Area Flowmeter can be fitted with Hi and Lo latching alarms.

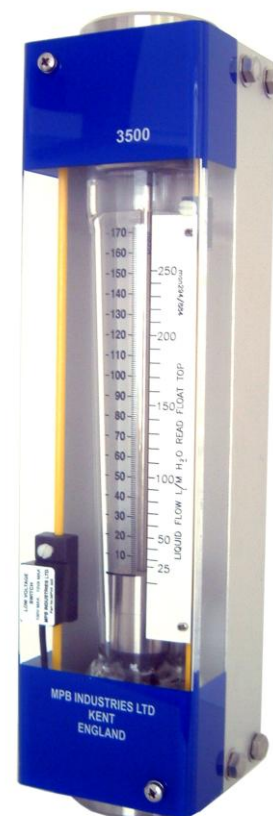
The end connections can be supplied in Stainless steel, or rigid PVC.

The units are fitted with a calibrated scale. A metric scale of 170mm is permanently fired on the tube. A useful blank scale plate can also be provided for customers own calibrations if required.

The 3500 Variable Area Flowmeter can be used to measure the flow rate of most process gases and liquids.

Ranges up to 250 L/min of water (or 7500 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.

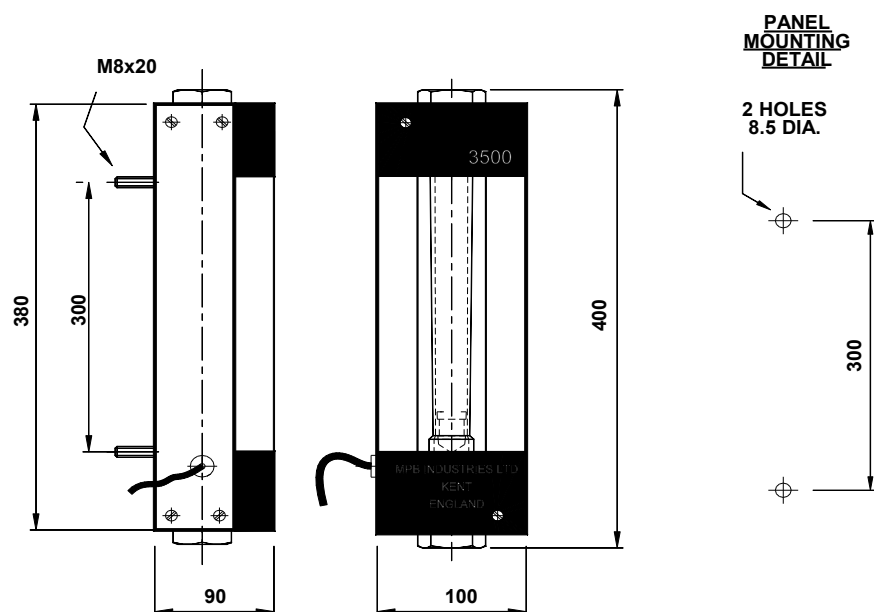


MPB SERIES 3500 FEATURES

- DIRECT READING OF INSTANTANEOUS FLOW RATES
- POLYCARBONATE SAFETY COVER
- METRIC SCALES
- PVC, OR STAINLESS STEEL CONNECTIONS ARE AVAILABLE AS STANDARD
- TUBE ASSEMBLY EASILY REMOVED AND REPLACED IN-SITU
- CAN BE SUPPLIED WITH FLANGES
- PLAIN SCALE PLATE FOR CUSTOMER CALIBRATION CAN BE SUPPLIED
- GUIDED FLOATS ARE USED ON ALL RANGES GIVING A STABLE READING
- REAR OF PANEL MOUNTING KIT SUPPLIED COMPLETE WITH BEZEL AND ALL MOUNTING ACCESSORIES
- STRAIGHT THROUGH, OR PANEL MOUNTING

MPB SERIES 3500 VARIABLE AREA FLOWMETER

Chassis:	Anodised aluminium to BSEN12373/AA25	Weight:	4.5kg (typical)
End Blocks:	Rigid PVC, or Stainless Steel	Maximum Working Pressure:	Gas: 4 bar g (non-shock) Liquid: 6 bar g (non-shock)
Process Connections:	1½" BSPFF	Maximum Working Temperature:	60°C Nitrile 100°C Viton
Cover:	Polycarbonate	Accuracy:	± 5% FSD predicted
Seals:	Nitrile, Viton, EPDM, etc	Optional Alarm Rating:	0.5 A <50V AC, 10VA Max. 0.5 A <75V DC, 10W Max Contacts N/O
Metering Tube:	Fully stress relieved borosilicate glass with permanently fired black enamel metric scale 170mm long	Connection:	2 metre flying lead, or supplied to customer required length
Scale:	Adjustable calibrated scale (blank scale if required) Permanently fired black ceramic	Flow reading:	To be taken from scale, level with top float
Floats:	Red hard anodised aluminium. Stainless steel		



STANDARD RANGES

AIR @ 1013 mbar abs 20°C	WATER @ 20°C	WATER @ 20°C
100 – 1000 L/min	5 – 50 L/min	300 – 3000 L/hr
200 – 2000 L/min	10 – 100 L/min	600 – 6000 L/hr
300 – 3000 L/min	15 – 150 L/min	1000 – 10000 L/hr
400 – 4000 L/min	20 – 200 L/min	1200 – 12000 L/hr
500 – 5000 L/min	25 – 250 L/min	1500 – 15000 L/hr
750 – 7500 L/min		

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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