

MPB SERIES FA50 FLOW ALARM

GENERAL INFORMATION

The MPB Series FA50 Flow Alarm offers a flowmeter and adjustable flow alarm system within the same unit. The FA50 Flow Alarm is suitable for most common process liquids and gases and utilises the variable area flowmeter principle of operation, namely, as flow increases the float rises within a tapered flow tube and hence the flow rate can be read directly and alarm points set.

The alarm system uses the reed switch principle and is triggered by a small magnet housed within the float.

MPB SERIES FA50 FEATURES

- ADJUSTABLE ALARM/SET POINT
- LATCHING CONTACT MECHANISM
- STANDARD OR CUSTOMISED FLOW SCALES
- EASY IN-SITU TUBE REMOVAL
- RPVC, OR STAINLESS STEEL CONNECTIONS
- POLYCARBONATE SAFETY COVER
- DIRECT READING OF FLOW RATE
- FRICTIONLESS, HENCE LOW HEAD LOSS
- MINIMAL MAINTENANCE, LONG SERVICE LIFE
- CAN BE SUPPLIED WITH CV100 FLOW CONTROL VALVE AND MOUNTING BRACKET



MPB SERIES FA50 FLOW ALARM

Chassis: White epoxy coated aluminum

End Blocks: Rigid PVC, 303 Stainless steel

Process Connections: 1/4" BSPPF

Cover: Polycarbonate

Seals: Nitrile, Viton, EPDM, etc

Metering Tube: Borosilicate glass

Scale: Permanently fired black ceramic

Float: Rigid PVC, or 316 Stainless steel

Weight: 550 grams (approx.)

Maximum Working Pressure: 10 bar g (non-shock)

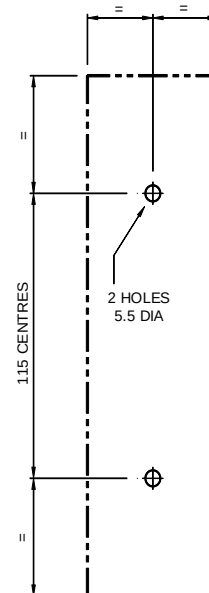
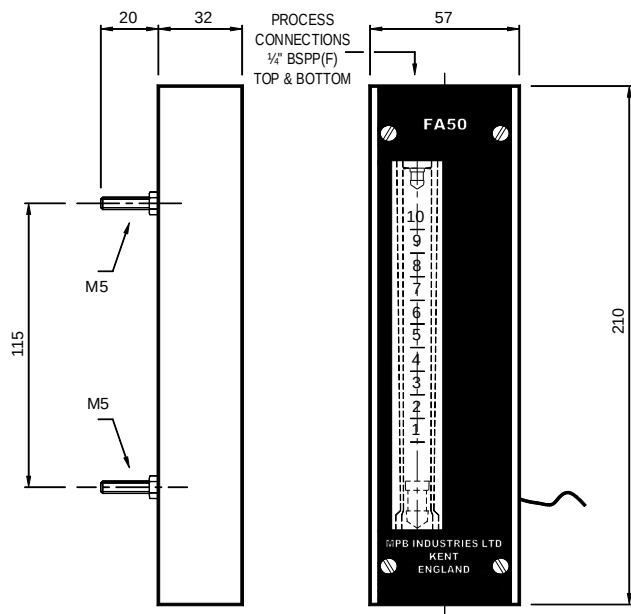
Maximum Working Temperature: 60°C Nitrile
100°C Viton

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
0.25-2.5 L/min	10 - 100cc/min
0.5 - 5 L/min	50 - 500cc/min
1-10 L/min	0.1 - 1 L/min
2.5 - 25 L/min	0.2 - 2 L/min
5 - 50 L/min	0.4 - 4 L/min
10 - 100 L/min	
15 - 150 L/min	
0 – 100% scales available if required.	

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