

MPB SERIES 1240S DUAL TUBE FLOWMETER

GENERAL INFORMATION

The MPB Series 1240S Dual Tube Flowmeter is suitable for applications where two process mediums are metered side-by-side. The inlet pressures ideally should be balanced.

Where two flows converge, the MPB Series 1240S Dual Tube Flowmeter is ideal for this application. For instance, air and carbon dioxide, or oxygen and nitric oxide, etc, etc may be metered together as a compound gas (or liquid).

Flow rates as low as 50cc/min Air, or gas equivalent and up to 150 L/min Air, or equivalent gas, can be employed where previously two individual flowmeters were used making neater presentation and space saving.

Where extreme accuracy is required, this version of the MPB Series 1240 Dual Tube Flowmeter can be supplied with a single control valve with two flow tubes allowing a very low flow rate to cascade into a higher flow rate. This creates the opportunity to display very accurate readings across the required flow range (see 1241S MPBTB 101).

The MPB Series 1240S Dual Tube Flowmeter combines both flows into a common manifold and exits the compound flow through the outlet, which is positioned at the top right hand side of the flowmeter. However if preferred, two independent rear facing connections are required, MPB can accommodate this.

An appropriate flame arrester must be employed where explosive gases are used.



MPB SERIES 1240S FEATURES

- DIRECT READING OF INSTANTANEOUS FLOW RATES
- STANDARD FLOW RANGES
- EASY TO READ SCALES
- FRICTIONLESS, HENCE LOW HEAD LOSS
- STANDARD OR CUSTOMISED FLOW SCALES
- EASY TUBE REMOVAL IN-SITU
- VALVED OR NON-VALVED VERSIONS
- STAINLESS STEEL CONNECTIONS
- POLYCARBONATE SAFETY COVER
- 138mm TUBE LENGTH
- REAR OF PANEL MOUNTING KIT AVAILABLE
- LONG SERVICE LIFE
- MINIMAL MAINTENANCE

Typical applications include analytical instrumentation, gas flow control, small dosing systems, purge metering, leak detection and blending systems.

Typical industries served include brewing, gas analysis, medical, aerospace, pharmaceutical, engine testing, paper, water treatment, oil and gas, etc.

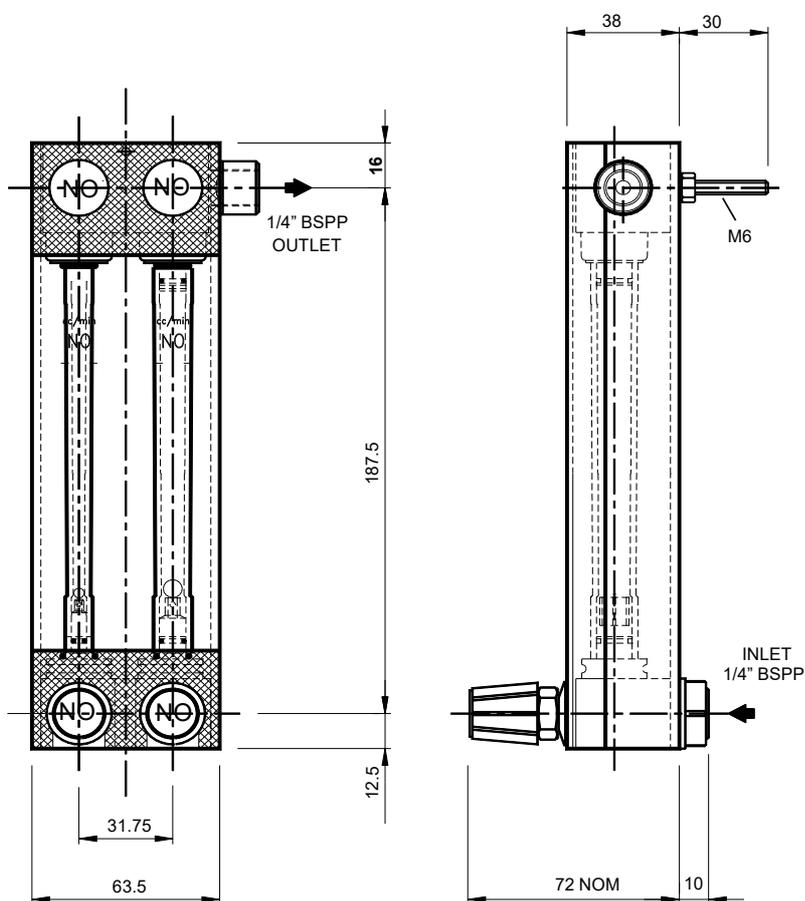
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<p>Chassis: Anodised aluminium to BSEN12373/AA25</p> <p>Process Connections: Stainless steel Inlet: 1/4" BSPPF rear facing Outlet: 1/4" BSPPF, side</p> <p>Cover: Polycarbonate</p> <p>Seals: Viton</p> <p>Metering Tube: Borosilicate glass</p> <p>Scale: Permanently fired black ceramic</p>	<p>Ball Floats: Glass, Stainless steel, Ruby, Tungsten</p> <p>Plumb Bob Floats: Anodised aluminium Stainless Steel</p> <p>Weight: 1000 grams</p> <p>Maximum Working Pressure: Gas: up to 20 bar g (non shock) Liquid: up to 20 bar g (non shock)</p> <p>Maximum Working Temperature: 100°C Viton</p> <p>Accuracy: ± 5% FSD for predicted scales ± 3% FSD for calibrated scales</p>
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STANDARD RANGES

AIR @ 1013 mbar abs 20°	WATER @ 20°C
5 – 50cc/min	5 – 50cc/min
10 – 100cc/min	10 – 100cc/min
25 – 250cc/min	25 – 250cc/min
50 – 500cc/min	50 – 500cc/min
0.1 – 1 L/min	0.1 – 1 L/min
0.25 – 2.5 L/min	0.2 – 2 L/min
0.5 – 5 L/min	0.3 – 3 L/min
1 – 10 L/min	0.5 – 5 L/min
1.5 – 15 L/min	0.75 – 7.5 L/min
2.5 – 25 L/min	1 – 10 L/min
5 – 50 L/min	
10 – 100 L/min	
15 – 150 L/min	

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



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

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