

MPB SERIES 1241S CASCADE FLOWMETER

GENERAL INFORMATION

The MPB Series 1241S Dual Tube Cascade Flowmeter is suitable for measuring the instantaneous flow rate of virtually any process liquid or gas.

The MPB Series 1241S Dual Tube Cascade Flowmeter is designed for applications where a high accuracy is required across conditions where the normal 10:1 turndown ratio needs to be exceeded, particularly where high accuracy is required for the first readings, which can be displayed on the first flow tube.

A typical installation, for example, would be left hand flow tube 10-100cc/min and cascading to 100-1000cc/min, or 0.1-1 L/min cascading to 1-10 L/min regardless of process medium, or operating conditions.

This flowmeter offers flow rates down to 50cc/min (5-50) up to 150 L/min in cascading orders.

The MPB Series 1241S Dual Tube Cascade Flowmeter has rear facing connection 1/4" BSPF for inlet and right hand side top outlet.

For metering two different gases or liquids to create a compound, gas or solution, this can be achieved using the MPB Series 1240S Dual Tube Flowmeter (see MPBTB 100).



MPB SERIES 1241S FEATURES

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

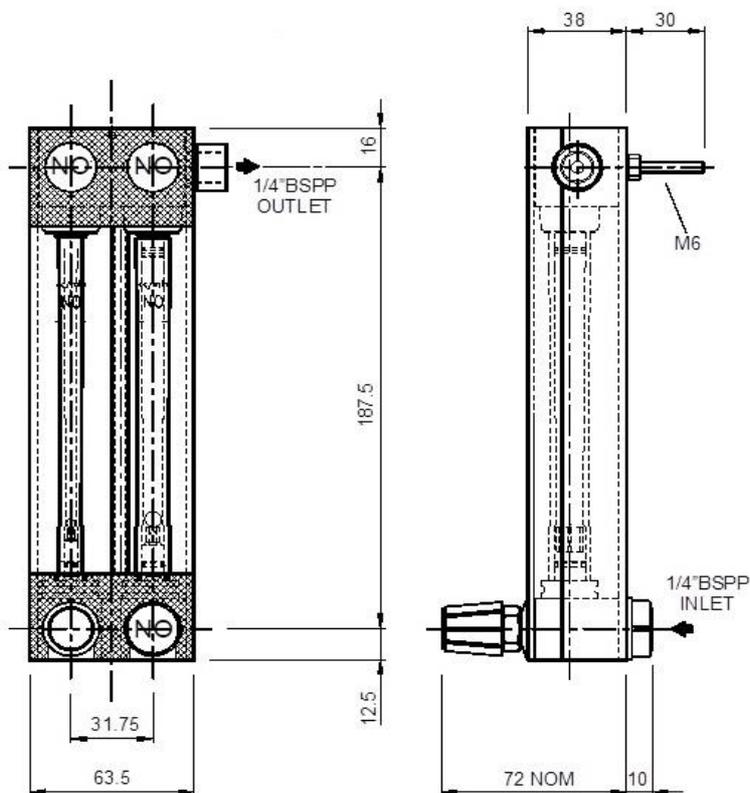
Typical applications include analytical instrumentation, gas flow control, small dosing systems, purge metering, leak detection and blending systems,

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

MPB SERIES 1241S CASCADE FLOWMETER

<p>Chassis: Anodised aluminium to BSEN12373/AA25</p> <p>End Blocks: Stainless Steel</p> <p>Process Connections: Inlet: 1/4" BSPP rear facing Outlet: 1/4" BSPP, side</p> <p>Cover: Polycarbonate</p> <p>Seals: Nitrile, Viton, EPDM, etc</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: 60°C Nitrile, 100°C Viton</p> <p>Accuracy: ± 5% FSD for predicted scales ± 3% FSD for calibrated scales</p>
--	---

STANDARD RANGES	
138mm TUBE LENGTH	
AIR @ 1013 mbar abs 20°C	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

Part of the Scientific Digital Imaging plc (SDI) group of companies
 Unit 1 Branbridges Ind Est, East Peckham, Kent TN12 5HF, UK, Tel: +44 (0)1622 872401
 mail@mpbflowmeters.com, www.mpbflowmeters.com



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