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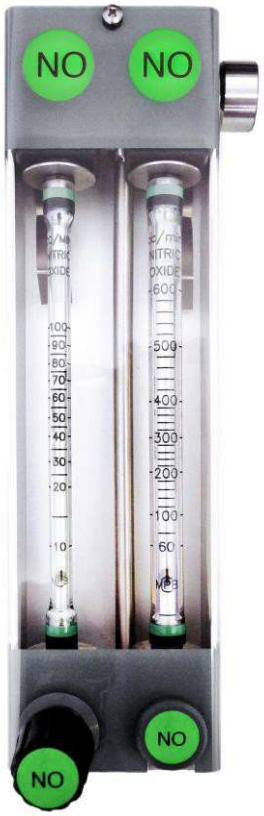
SERIES 1241S CASCADE FLOWMETER

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

The 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 Series 1241S dual tube cascade flowmeter has rear facing connections ¼" BSPPF 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 Series 1240S Dual Tube Flowmeter (see separate data sheet).

SERIES 1241S FEATURES

* DIRECT READING OF INSTANTANEOUS FLOW RATE S
* 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, pharmaceutical, medical, aerospace, engine testing, paper, water treatment, oil and gas, etc, etc.

1241S CASCADE FLOWMETER

Chassis:	Anodised aluminium to BSEN12373/AA25	Ball Floats:	Glass, Stainless steel, Ruby, Tungsten
End Blocks:	Stainless steel	Plumb Bob Floats:	Anodised aluminium Stainless steel
Process Connections:	Inlet: ¼" BSPP rear facing Outlet: ¼" BSPP, side	Weight:	1000 grams
Cover:	Polycarbonate	Maximum Working Pressure:	Gas: up to 20 bar g (non shock) Liquid: up to 20 bar g (non shock)
Seals:	Nitrile or Viton		
Metering Tube:	Borosilicate glass	Maximum Working Temperature:	60^0C Nitrile 100^0C Viton
Scale:	Permanently fired (black)		
		Accuracy:	± 5% FSD for predicted scales ± 3% FSD for calibrated scales

STANDARD RANGES

138mm TUBE LENGTH	
AIR @ 1013 mbar abs 20^0C	**WATER @ 20^0C**
5 – 50 cc/min	5.0 – 50 cc/min
10 – 100 cc/min	10 – 100 cc/min
25 – 250 cc/min	25 – 250 cc/min
50 – 500 cc/min	50 – 500 cc/min
0.1 – 1.0 L/min	0.1 – 1.0 L/min
0.25 – 2.5 L/min	0.2 – 2.0 L/min
0.5 – 5.0 L/min	0.3 – 3.0 L/min
1.0 – 10 L/min.	0.5 – 5.0 L/min
1.5 – 15 L/min	0.75– 7.5 L/min
2.5 – 25 L/min	1.0 – 10 L/min
5.0 – 50 L/min	
10 – 100 L/min	
15 – 150 L/min	

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

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