

MPB SERIES TX175 TRANSMITTING FLOWMETER

GENERAL INFORMATION

The MPB Series TX175 Transmitting Flowmeter has been designed to meet demanding applications where a transmitted signal proportional to the flow rate, 4 - 20 mA, is required.

The TX175 Transmitting Flowmeter was developed from the MPB Series 1750 Flowmeter and incorporates the same features.

The TX175 Transmitting Flowmeter, whilst having a wide range of standard flow rates, can be used for almost any liquid or gas process. The materials of construction will assist the designer in selecting a compatible flow transmitter for the medium being processed.

The TX175 Flow Transmitting Flowmeter is ideal for control requirements in the water, chemical and processing industries.



MPB SERIES TX175 FEATURES

- 4 – 20 mA TRANSMITTING SIGNAL OUTPUT
- EASILY ADJUSTABLE ZERO AND SPAN SETTINGS
- STANDARD AND CUSTOMIZED FLOW SCALES
- EASY IN-SITU TUBE REMOVAL
- RPVC, OR STAINLESS STEEL CONNECTIONS
- FLANGED VERSIONS AVAILABLE
- INTEGRAL SAFETY COVER
- DIRECT READING OF FLOW RATE
- MINIMAL MAINTENANCE
- UTILISES THE MPB GUIDED FLOAT SYSTEM
- REAR OF PANEL MOUNTING

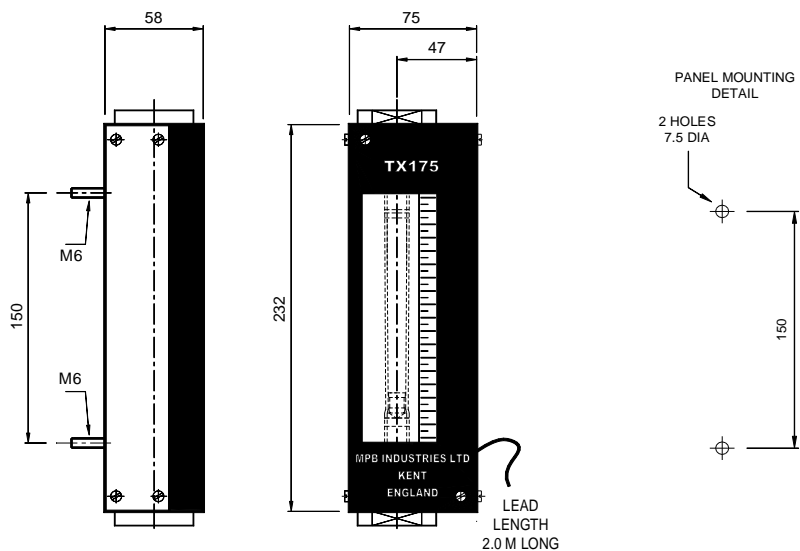
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<p>Chassis: Anodised aluminium to BSEN12373/AA25</p> <p>Connections: Rigid PVC, or 303 Stainless steel</p> <p>Process Connections: 1/2", 3/4" or 1" BSPPF, or flanged to customer specification</p> <p>Cover: Polycarbonate</p> <p>Seals: Nitrile, Viton, EPDM, etc</p> <p>Metering Tube: Borosilicate glass with permanently fired metric scale</p> <p>Scale: Adjustable scale plate black numerals on white Permanently fired black ceramic</p> <p>Floats: Anodised aluminium or 316 Stainless steel</p>	<p>Weight: 1100 grams (typical)</p> <p>Maximum Working Pressure: Gas: 6 bar g (non-shock) Liquid: 10 bar g (non-shock)</p> <p>Maximum Working Temperature: 60°C Nitrile 100°C Viton</p> <p>Accuracy: ± 5% FSD predicted</p> <p>Connection: 2 metre flying lead</p> <p>Operating Voltage: 9VDC – 36VDC with reverse-voltage protection</p> <p>Output Current: 4 – 20 mA with zero and span adjustment</p> <p>Flow reading: To be taken from scale, level with top of float</p>
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STANDARD RANGES

AIR @ 1013 mbar abs 20°C	WATER @ 20°C
15 - 150 L/min	0.5 - 5 L/min
30 - 300 L/min	1 - 10 L/min
50 - 500 L/min	2.5 - 25 L/min
75 - 750 L/min	5 - 50 L/min
150 - 1500 L/min	7.5 - 75 L/min
225 - 2250 L/min	10 - 100 L/min
300 - 3000 L/min	12.5 - 125 L/min

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



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