

## 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

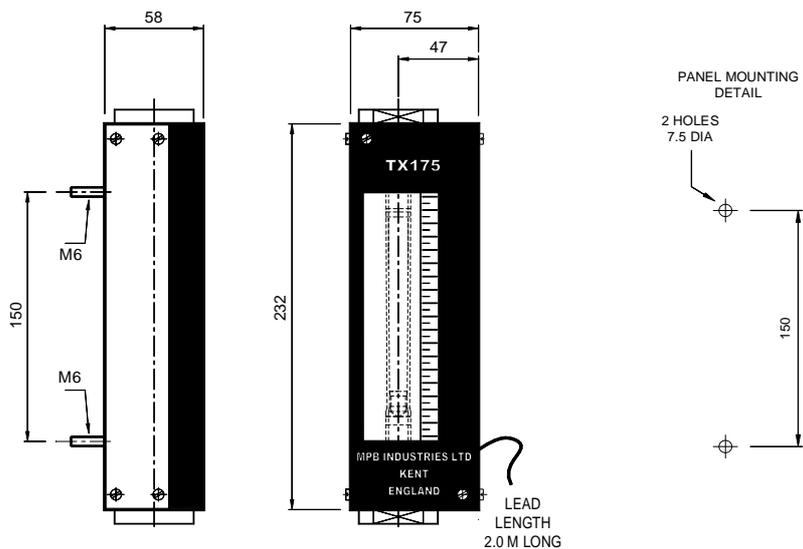
# MPB SERIES TX175 TRANSMITTING FLOWMETER

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



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

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