

MPB SERIES TX600 METAL TUBE TRANSMITTING FLOWMETER

GENERAL INFORMATION

The MPB Series TX600 Metal Tube Transmitting Flowmeter has been designed to meet demanding high pressure and corrosive applications where a local display, transmitted out and signal functions are required.

The TX600 Metal Tube Transmitting Flowmeter is manufactured in 1", 2" and 3" flanged ANSI 150 RF and 1" and 2" BSPF (Rp) screwed versions.

The TX600 Metal Tube Transmitting Flowmeter, whilst having a range of standard flow rates, can be calibrated for almost any liquid or gas. The materials of construction will assist the designer in selecting a compatible flowmeter for the medium being processed.

The TX600 Metal Tube Transmitting Flowmeter is ideal for high pressure flow indication. Applications can be found in the water, chemical and processing industries.

The TX600 Metal Tube Transmitting Flowmeter incorporates a 4-20mA two wire transmitter.

This transmitter can be configured to include NAMUR NE43 extended mA range.



MODEL SHOWN:
TRANSMITTER WITH
1" THREADED
CONNECTION

SERIES TX600 FEATURES

- 4–20 mA ATEX OUTPUT
- TWO FULLY ADJUSTABLE NAMUR ALARMS (HI/LO)
- STANDARD FLANGED LENGTH 250MM, SCREWED VERSIONS MAY EXCEED THIS
 - STAINLESS STEEL CONSTRUCTION
- LARGE CLEAR ANALOGUE INDICATOR DISPLAYING INSTANTANEOUS FLOW RATE
 - SUITABLE FOR HIGH PRESSURE APPLICATIONS
 - SUITABLE FOR CORROSIVE APPLICATIONS
 - STANDARD AND CUSTOMISED FLOW SCALES

MPB SERIES TX600 METAL TUBE TRANSMITTING FLOWMETER

Process Connections:	1" and 2" BSPPF (Rp) screwed, 1", 2 and 3" flanged ANSI 150 RF, or to customer specification
Display:	Highly visible analogue display
Construction:	316 Stainless Steel
Accuracy:	± 5% FSD predicted
Maximum Working Pressure for Stainless Steel, Gas and Liquid (PED Group 2):	1" - 50 bar g, or flange rating 2" - 65 bar g, or flange rating (18 bar g for gas) 3" - 85 bar g, or flange rating (12 bar g for gas)
Maximum Ambient Temperature:	80°C
Transmitter box Ingress protection:	IP66

Electrical Specifications:

4-20mA Features:

- ☐ Wide 6-36Vdc input voltage supply range
- ☐ 0.05mA output resolution
- ☐ Easy push button setup
- ☐ Optional NAMUR NE43 extended working range and diagnostics mode

Alarm Option:

- ☐ Separate 7.5-12Vdc input voltage supply required
- ☐ Individual upper and lower alarm relays and output connections
- ☐ Relay contact ratings: 48Vdc/0.1A (5 W max)
- ☐ Easy push button alarm level setting
- ☐ Relays configurable as NO or NC

STANDARD RANGES 3" (Flanged only)

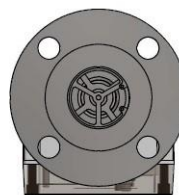
AIR @ 1013 mbar abs 20°C		WATER @ 20°C	
7500 L/min	450 m³/hr	250 L/min	15 m³/hr
10000 L/min	600 m³/hr	350 L/min	20 m³/hr
12000 L/min	750 m³/hr	400 L/min	25 m³/hr
15000 L/min	900 m³/hr	500 L/min	30 m³/hr
19500 L/min	1200 m³/hr	650 L/min	40 m³/hr

STANDARD RANGES 1"

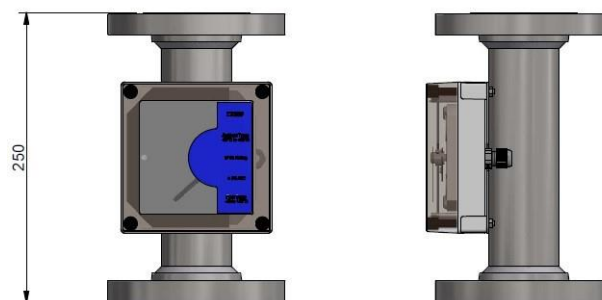
AIR @ 1013 mbar abs 20°C		WATER @ 20°C	
1000 L/min	60 m³/hr	10 L/min	0.6 m³/hr
1500 L/min	90 m³/hr	35 L/min	2 m³/hr
2500 L/min	150 m³/hr	50 L/min	3 m³/hr
3500 L/min	200 m³/hr	85 L/min	5 m³/hr
		100 L/min	6 m³/hr

STANDARD RANGES 2"

AIR @ 1013 mbar abs 20°C		WATER @ 20°C	
1500 L/min	90 m³/hr	50 L/min	3 m³/hr
2000 L/min	100 m³/hr	100 L/min	6 m³/hr
5000 L/min	300 m³/hr	150 L/min	10 m³/hr
6000 L/min	350 m³/hr	200 L/min	12 m³/hr
7500 L/min	450 m³/hr	250 L/min	15 m³/hr
9000 L/min	550 m³/hr	300 L/min	18 m³/hr
		400 L/min	25 m³/hr



MODEL SHOWN :
2" ANSI 150lb RF FLANGED



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.