



PRODUCT DATA SHEET

MX25P-1VB - 1" DIGITAL FLOW METER WITH INTRINSICALLY SAFE (EX IA)

The MX Series 1" DIGITAL FLOW METER are suitable for flows between 6 – 120 L/min (1.59 - 31.70 GPM), providing highly accurate flow measurement performance. The MX Series offers $\pm 0.5\%$ accuracy of true reading in a compact footprint, requiring no flow conditioning and with high pressure and temperature capabilities.

Key features include:

- Stainless Steel (316) construction
- FEP Encapsulated seals
- Maximum flow rate 120 L/min / 31.70 GPM
- Accuracy of $\pm 0.5\%$ of reading
- Exceptional repeatability of $\pm 0.03\%$
- Temperature up to 150 °C / 302 °F
- 1 point factory calibration as standard, with additional points upon request

SPECIFICATIONS



MX25P-1VB

		MX25P-1VB		
Material of construction	Meter Body	Stainless Steel (316)		
	Rotor	Stainless Steel (316)		
	Seals	FEP Encapsulated		
Design Specifications		1" G Thread		
Process Connections		1" G Thread		
Technical Specifications		min	max	
	Flow rate			
	< 5cPr	10	100	L/min
		2.64	26.42	GPM
	> 5cP	6	120	L/min
		1.59	31.70	GPM
	Non lubricating fluids	-	120	L/min
		-	31.70	GPM
Operating Temperature Range**		-40	150	°C
		-40	302	°F
	Accuracy ($\pm\%$)	$\pm 0.5\%$		
	Repeatability ($\pm\%$)	$\pm 0.03\%$		
	Nominal K-Factor	36 Pulses/Litre		
		136.31 Pulses/Gallon		

OUTPUT TYPE

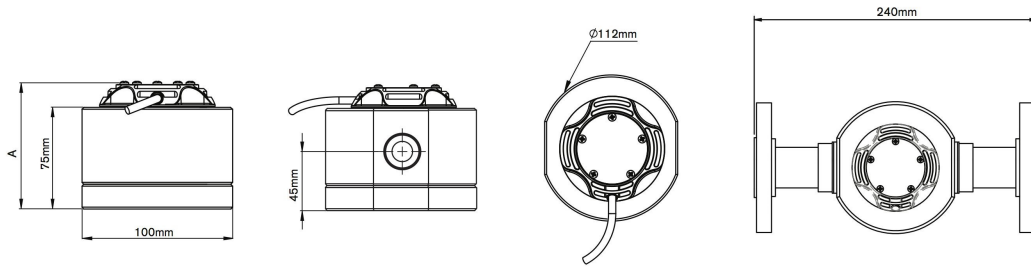


INTRINSICALLY SAFE (EX IA)

		EX Approved [EX ia]	
Construction	Stainless Steel		
IP Rating	IP67		
Temp	Min: - Max: - °C		
	Min: - Max: - °F		
EX Approvals	ATEX, US & CAN (THROUGH FM) Please refer to instruction manual and certification documentation for product appropriate certification information		
Display			
Digit size (upper/lower)	-mm/-mm		
Accumulated total	✗		
Resettable total	✗		
Preset total	✗		
Flow rate	✗		
Outputs			
4-20 mA (passive)	✗		
Pulse/Transistor Output	✗		
Flow Alarm	✗		
Batch Control output	✗		



PRODUCT DATA SHEET



PULSER AND DISPLAY HEIGHT - A

OUTPUT A,I,J,K
PULSER - Standard

OUTPUT B
PULSER - Exia

OUTPUT C
PULSER - EXd

OUTPUT N
PULSER - Exia

OUTPUT T
PULSER - High Temp.

OUTPUT D,E
DISPLAY - LCD 12mm

OUTPUT F,G,H DISPLAY
- LCD 17mm

