



# PRODUCT DATA SHEET

## MX12S-1VH - 1/2" DIGITAL FLOW METER WITH ERB DISPLAY

The MX Series 1/2" DIGITAL FLOW METER are suitable for flows between 2 – 30 L/min (0.53 - 7.93 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:

- Aluminium (6061) construction
- FEP Encapsulated seals
- Maximum flow rate 30 L/min / 7.93 GPM
- Accuracy of  $\pm 0.5\%$  of reading
- Exceptional repeatability of  $\pm 0.03\%$
- Temperature up to 120 °C / 248 °F
- 1 point factory calibration as standard, with additional points upon request

### SPECIFICATIONS



ERB Digital Register

MX12S-1VH

		MX12S-1VH		
<b>Material of construction</b>				
Meter Body		Aluminium (6061)		
Rotor		Stainless Steel (316)		
Seals		FEP Encapsulated		
<b>Design Specifications</b>				
Process Connections		1/2" G Thread		
<b>Technical Specifications</b>		min	max	
Flow rate				
< 5cPr		3	20	L/min
		0.79	5.28	GPM
> 5cP		2	30	L/min
		0.53	7.93	GPM
Non lubricating fluids		-	30	L/min
		-	7.93	GPM
Operating Temperature Range**		-40	120	°C
		-40	248	°F
Accuracy ( $\pm\%$ )		$\pm 0.5\%$		
Repeatability ( $\pm\%$ )		$\pm 0.03\%$		
Nominal K-Factor		112 Pulses/Litre		
		424.08 Pulses/Gallon		

### OUTPUT TYPE

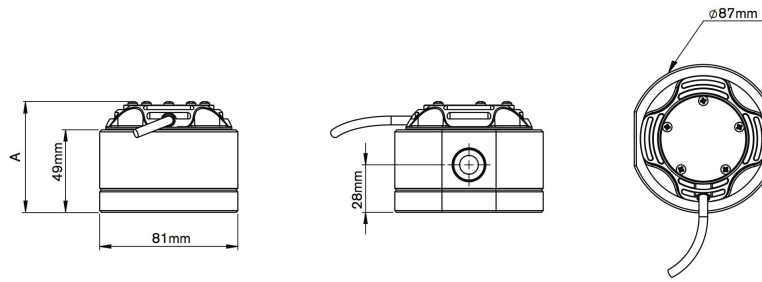


ERB DISPLAY

		ERB [LCD 17mm display]
<b>Construction</b>		Aluminium
<b>IP Rating</b>		IP67
<b>Temp</b>		Min: -40 Max: 80 °C Min: -40 Max: 176 °F
<b>EX Approvals</b>		- Please refer to instruction manual and certification documentation for product appropriate certification information
<b>Display</b>		17mm/8mm
Digit size (upper/lower)		
Accumulated total		✓
Resettable total		✓
Preset total		✓
Flow rate		✓
<b>Outputs</b>		
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

