



PRODUCT DATA SHEET

MX12S-1SE - 1/2" DIGITAL FLOW METER WITH PRA 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



PRA Digital Register

MX12S-1SE

		MX12S-1SE		
Material of construction	Meter Body	Aluminium (6061)		
	Rotor	Stainless Steel (316)		
	Seals	FEP Encapsulated		
Design Specifications				
Process Connections		1/2" G Thread		
Technical Specifications		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

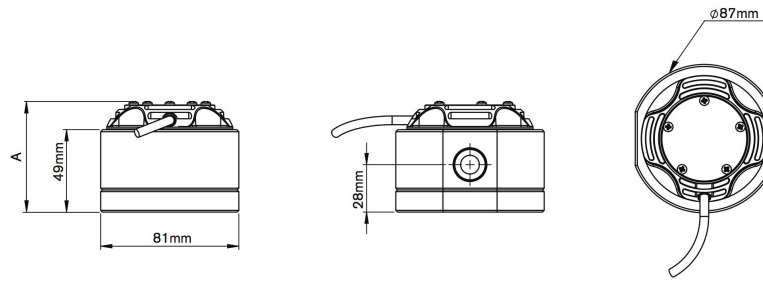


PRA DISPLAY

		PRA [LCD 12mm display]
Construction		Polypropylene
IP Rating		IP67
Temp		Min: -20 Max: 60 °C Min: -4 Max: 140 °F
EX Approvals		- Please refer to instruction manual and certification documentation for product appropriate certification information
Display		12mm/8mm
Digit size (upper/lower)		
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

