

# PRODUCT DATA SHEET

## MX12F-1SG - 1/2" DIGITAL FLOW METER WITH ERA 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
- FKM (Viton) 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 80 °C / 176 °F
- 1 point factory calibration as standard, with additional points upon request

### SPECIFICATIONS



ERA Digital  
Register

MX12F-1SG

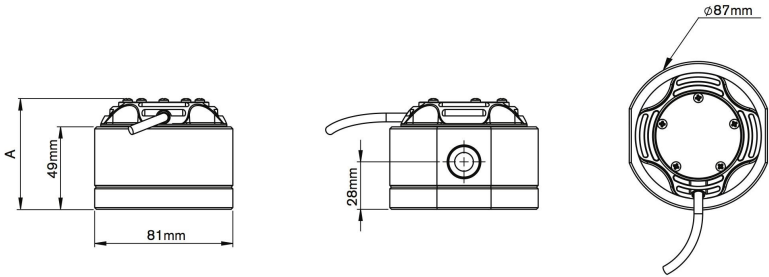
	MX12F-1SG			
Material of construction	Meter Body	Aluminium (6061)		
	Rotor	PPS		
	Seals	FKM (Viton)		
Design Specifications				
Process Connections	1/2" G Thread			
Technical Specifications		min	max	
	Flow rate < 5cPr  > 5cP	3	20	L/min
		0.79	5.28	GPM
		2	30	L/min
		0.53	7.93	GPM
	Non lubricating fluids	-	30	L/min
		-	7.93	GPM
	Operating Temperature Range**	-40	80	°C
		-40	176	°F
	Accuracy (±%)	±0.5%		
Repeatability (±%)	±0.03%			
Nominal K-Factor	112 Pulses/Litre			
	424.08 Pulses/Gallon			

### OUTPUT TYPE



ERA DISPLAY

ERA [LCD 17mm display]	
Construction	Aluminium
IP Rating	IP67
Temp	Min: -40 Max: 80 °C Min: -40 Max: 176 °F
EX Approvals	- Please refer to instruction manual and certification documentation for product appropriate certification information
Display	
Digit size (upper/lower)	17mm/8mm
Accumulated total	✓
Resettable total	✓
Preset total	✗
Flow rate	✓
Outputs	
4-20 mA (passive)	✓
Pulse/Transistor Output	✓
Flow Alarm	✗
Batch Control output	✗



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

