

# MX12P 1/2" flowmeter series



1/2" Oval gear flow meter designed for Industrial Process applications.

- Stainless Steel construction
- Max flow rate 30 LPM / 8 GPM
- Temperature up to 80°C for Ryton (PPS) Rotors, up to 150°C for Stainless Steel Rotors
- Accuracy 0.5% Pulse
- Available with BSP or NPT process connections
- Suitable for high viscosity fluids

## Materials of Construction

<b>Meter Body</b>	Stainless Steel
<b>Rotor</b>	PPS (Ryton) * Standard option Stainless Steel * High Temp option Stainless Steel * High viscosity option - fluids >1000cps
<b>Seals</b>	FEP (Teflon®)

## Display and Output Options

<b>Standard</b>	Pulse Output	1x Reed/1x Hall Effect
<b>Ex ia</b>	Pulse Output	NPN open collector approved Exia
<b>Ex d</b>	Pulse Output	NPN open collector approved Exd
<b>High Temp</b>	Pulse Output	NPN open collector. Suitable for 150°C
<b>PR</b>	LC display (12mm)	Display Only
<b>PRA</b>	LC display (12mm)	Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm
<b>ER</b>	LC display (17mm)	Display Only
<b>ERA</b>	LC display (17mm)	Scaled Pulse, 4-20mA output (passive)
<b>ERS</b>	LC display (17mm)	Net Use Function - input A-B (remote mount only)

## Technical Specifications

<b>Flow Rate</b>	<b>&lt;5cps</b>	<b>&gt;5cps</b>	
	3-25 L/min	2-30 L/min	
	<b>PPS (Ryton) rotor</b>	<b>High Temp rotor</b>	<b>High Viscosity rotor</b>
<b>Temperature</b>	-40 - 80°C	-40 - 150°C	-40 - 150°C
<b>Pressure</b>	2,000 psi		
<b>Accuracy</b>	+/- 0.5%		
<b>Repeatability</b>	+/- 0.03%		
<b>Nominal K-Factor</b>	112 pulses per ltr		

## Design Specifications

<b>Process Connections</b>	<b>Threaded</b>
	1/2" BSP
	1/2" NPT

## Accessories

- Stainless Steel Y Strainer - 250 micron (60 mesh)
- Service/repair kits available upon request