

# MX50P 2" flowmeter series



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

- Stainless Steel construction
- Max flow rate 500 LPM / 130 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, NPT, DIN, JIS or ANSI 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®)

## Design Specifications

Process Connections	Threaded	Flange
	2" BSP	ANSI CLASS 150
	2" NPT	DIN PN16 JIS 10k

## 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

Flow Rate	<5cps	>5cps	
	15-500 L/min	15-500 L/min	
Temperature	PPS (Ryton) rotor	High Temp rotor	High Viscosity rotor
	-40 - 80°C	-40 - 150°C	-40 - 150°C
<b>Pressure</b>	1,200 psi		
<b>Accuracy</b>	+/- 0.5%		
<b>Repeatability</b>	+/- 0.03%		
<b>Nominal K-Factor</b>	6.68 pulses per ltr		

## Accessories

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