

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

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

Design Specifications

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

Display and Output Options

Standard	Pulse Output	1x Reed/1x Hall Effect
Ex ia	Pulse Output	NPN open collector approved Exia
Ex d	Pulse Output	NPN open collector approved Exd
High Temp	Pulse Output	NPN open collector. Suitable for 150°C
PR	LC display (12mm)	Display Only
PRA	LC display (12mm)	Scaled Pulse, 4-20mA and Hi/Lo Flow Alarm
ER	LC display (17mm)	Display Only
ERA	LC display (17mm)	Scaled Pulse, 4-20mA output (passive)
ERS	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
Pressure	1,200 psi		
Accuracy	+/- 0.5%		
Repeatability	+/- 0.03%		
Nominal K-Factor	6.68 pulses per ltr		

Accessories

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