

MX40P 1 1/2" flowmeter series



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

- Stainless Steel construction
- Max flow rate 250 LPM / 66 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 |
|---------------------|------------|----------------|
| | 1 1/2" BSP | ANSI CLASS 150 |
| 1 1/2" 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 | |
| | 15-235 L/min | 10-250 L/min | |
| Temperature | PPS (Ryton) rotor | High Temp rotor | High Viscosity rotor |
| | -40 - 80°C | -40 - 150°C | -40 - 150°C |
| Pressure | 1,500 psi | | |
| Accuracy | +/- 0.5% | | |
| Repeatability | +/- 0.03% | | |
| Nominal K-Factor | 14.5 pulses per ltr | | |

Accessories

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