



# GM002 - 1/4" Oval Gear Pulse Meter



The GM002 is one of the small capacity meters in the GM Series line and is differentiated by its flowrate capabilities. It has the ability to handle a wide range of fluid viscosities with exceptional levels of repeatability and durability.

**ACCURACY: ± 1.0% OF READING**

### Select Your Body Material:

- Aluminum
- PPS
- Stainless Steel
- High Pressure Stainless Steel
- Intermediate Pressure Stainless Steel



### Features and Benefits:

- ✓ Up to 1,000 cps viscosity
- ✓ Compact size and extremely accurate even with viscous fluids.
- ✓ Meter design minimizes the number of wear-able parts – extending product life.
- ✓ Handles particles sizes to 0.005"/0.127 mm.
- ✓ Comes with Reed Switch as standard, Hall Effect Sensor\* optional.
- ✓ Durable and serviceable on-site.
- ✓ Certificate of Accuracy supplied with meter.

### GM002 - SPECIFICATIONS

<b>Fitting Type:</b>	BSP or NPT (Female)
<b>Sensor Options:</b>	Reed Switch or Hall Effect Sensor*
<b>Rotor Material:</b>	PPS or 316 Stainless Steel
<b>O-Ring:</b>	Fluorocarbon (Std.), Perfluoroelastomer (Optional)
<b>Output Options:</b>	
<b>Aluminum:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>PPS:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>Stainless Steel:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>High Pressure SS:</b>	Pulse Out
<b>Intermed. Pressure SS:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>Display Options:</b>	Local Display Local Display with 4-20 mA Output
<b>Flow Range:</b>	0.53 - 26.4 GPH (2 - 100 LPH)
<b>Flow Range @ &lt; 5 cps:</b>	1.32 - 26.4 GPH (5 - 100 LPH)
<b>Accuracy:</b>	± 1.0% of reading
<b>Repeatability:</b>	± 0.03%
<b>Maximum Viscosity:</b>	1,000 cps
<b>Pressure Rating:</b>	
<b>Aluminum:</b>	75 PSI / 5 BAR
<b>PPS:</b>	75 PSI / 5 BAR
<b>Stainless Steel:</b>	150 PSI / 10 BAR
<b>High Pressure SS:</b>	8000 PSI / 544 BAR
<b>Intermed. Pressure SS:</b>	800 PSI / 55 BAR
<b>Maximum Temperature:</b>	
<b>Aluminum:</b>	176°F / 80°C
<b>PPS:</b>	176°F / 80°C
<b>Stainless Steel:</b>	248°F / 120°C
<b>High Pressure SS:</b>	248°F / 120°C
<b>Intermed. Pressure SS:</b>	248°F / 120°C
<b>Typical K-Factor:</b>	3785.4 PPG / 1000 PPL
<b>Wetted Mat'l. - Housing:</b>	
<b>Aluminum:</b>	Aluminum with PPS Cap
<b>PPS:</b>	PPS
<b>Stainless Steel:</b>	316 Stainless Steel
<b>High Pressure SS:</b>	316 Stainless Steel
<b>Intermed. Pressure SS:</b>	316 Stainless Steel
<b>Wetted Mat'l. - Bearings:</b>	
<b>Aluminum:</b>	Bronze
<b>PPS Rotor:</b>	N/A
<b>Stainless Steel:</b>	Ceramic
<b>High Pressure SS:</b>	Ceramic
<b>Intermed. Pressure SS:</b>	Ceramic
<b>Wetted Mat'l. - Shaft:</b>	
<b>Aluminum:</b>	316 Stainless Steel
<b>PPS:</b>	Hastalloy C / Stainless Steel
<b>Stainless Steel:</b>	316 Stainless Steel
<b>High Pressure SS:</b>	316 Stainless Steel
<b>Intermed. Pressure SS:</b>	316 Stainless Steel
<b>Frequency Range:</b>	0.6 - 27.8 Hz @ 0.53 - 26.4 GPH
<b>Recommended Strainer Size:</b>	200 mesh
<b>Shipping Weight (approx.):</b>	Aluminum/PPS = 1 lb. (0.45 kg), High Pressure Stainless Steel = 8 lbs. (3.63 kg), SS/Intermediate Pressure SS = 2 lbs. (0.91 kg)
<b>Remote Display:</b>	Option Available: Model GG500
<b>Remote Transmitter:</b>	Options Available: Model GA500 & GX500

\* Hall Effect Sensor requires dedicated power source.

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