



# GM002 - 1/4" Oval Gear Pulse Meter

GM SERIES - OVAL GEAR METERS



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.

### Select Your Body Material:

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



### Features and Benefits:

- ✓ 0 - 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 Read 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 / Hall Effect Sensor
<b>Rotor Material:</b>	PPS or 316 Stainless Steel
<b>O-Ring:</b>	Viton (Standard), Perfluoro Elastomer (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>	Standard LC Display or Local 4-20 mA with Standard Display – (High Pressure SS: N/A)
<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 / 551 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
<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>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 GG500-1
<b>Remote Transmitter:</b>	Options Available: Model GA500 & GX500-1

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