



# GM010 - 1" Oval Gear Pulse Meter



The GM010 Meter is a 1-inch meter available in Aluminum, Bronze and 316 Stainless Steel body materials. Optional 150# ANSI Flanges and Tri-Clover® Fittings are available on the GM010.

**ACCURACY: ± 0.5% OF READING**

### Select Your Body Material:

- Aluminum
- Bronze
- Stainless Steel



### Features and Benefits:

- ✓ Extremely accurate even with viscous fluids.
- ✓ Handles particles sizes to 0.011"/0.28 mm.
- ✓ Meter design minimizes the number of wear-able parts – extending product life.
- ✓ Comes with Reed Switch as standard, Hall Effect Sensor\* optional.
- ✓ Choose from a variety of Output and Display Options.
- ✓ Certificate of Accuracy supplied with meter.

### GM010 - SPECIFICATIONS

<b>Fitting Type:</b>	
<b>Aluminum:</b>	BSP or NPT (Female), 150# ANSI Flange
<b>Bronze:</b>	BSP or NPT (Female)
<b>Stainless Steel:</b>	BSP or NPT (Female), 150# ANSI Flange, or Tri-Clover® Fittings
<b>Sensor Options:</b>	Reed Switch or Hall Effect Sensor*
<b>Rotor Materials:</b>	PPS or High Viscosity PPS, 316 Stainless Steel or High Viscosity Stainless Steel
<b>O-Ring:</b>	Fluorocarbon (Standard), PTFE (Optional)
<b>Output Options:</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>	1.6 - 32 GPM (6 - 120 LPM)
<b>Flow Range @ &lt; 5 cps:</b>	2.6 - 26.4 GPM (10 - 100 LPM)
<b>Accuracy:</b>	± 0.5% of reading
<b>Repeatability:</b>	± 0.03%
<b>Maximum Viscosity:</b>	Standard Rotors: 1,000 cps High Viscosity Rotors: 1,000,000 cps
<b>Pressure Rating:</b>	800 PSI / 55 BAR or Flange Rule
<b>Maximum Temperature:</b>	
<b>PPS Rotors:</b>	176°F / 80°C
<b>SS Rotors:</b>	248°F / 120°C
<b>Typical K-Factor:</b>	
<b>Single Pickup:</b>	136.3 PPG / 36 PPL
<b>Double Pickup:</b>	272.6 PPG / 72 PPL
<b>Wetted Mat'l. - Housing:</b>	
<b>Aluminum:</b>	Aluminum
<b>Bronze:</b>	Bronze
<b>Stainless Steel:</b>	316 Stainless Steel
<b>Wetted Mat'l. - Bearings:</b>	PPS / Carbon
<b>Wetted Mat'l. - Shaft:</b>	316 Stainless Steel
<b>Frequency Range:</b>	3.6 - 72.7 Hz @ 1.6 - 332 GPM
<b>Recommended Strainer Size:</b>	60 mesh
<b>Shipping Weight (approx.):</b>	
<b>Aluminum:</b>	4.9 lbs. (2.2 kg) - Pulse 6.6 lbs. (2.9 kg) - 150# ANSI Flange
<b>Bronze:</b>	12.7 lbs. (5.7 kg) - Pulse
<b>Stainless Steel:</b>	12.5 lbs. (5.7 kg) - Pulse 14.6 lbs. (6.6 kg) - 150# ANSI Flange 10.8 lbs. (4.9 kg) - Tri-Clover® Fittings
<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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