



# GM510 - 1" Oval Gear Mechanical Meter



The GM510 is a Mechanical Meter available in Aluminum or 316 Stainless Steel body materials. Optional 150# ANSI Flanges are available on the GM510.

## GM510 - SPECIFICATIONS

<b>Fitting Type:</b>	
<b>Aluminum:</b>	BSP or NPT (Female), 150# ANSI Flange
<b>Stainless Steel:</b>	BSP or NPT (Female), 150# ANSI Flange
<b>Sensor Options:</b>	Mechanical Display
<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>	N/A
<b>Display Options:</b>	Mechanical Display
<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>	± 1.0% 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>	500 PSI / 34.5 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>	N/A
<b>Wetted Mat'l. - Housing:</b>	
<b>Aluminum:</b>	Aluminum
<b>Stainless Steel:</b>	316 Stainless Steel
<b>Wetted Mat'l. - Bearings:</b>	PPS Rotors - PPS Bearings SS Rotors - Carbon Bearings
<b>Wetted Mat'l. - Shaft:</b>	316 Stainless Steel
<b>Frequency Range:</b>	N/A
<b>Recommended Strainer Size:</b>	60 mesh
<b>Shipping Weight (approx.):</b>	
<b>Aluminum:</b>	4.9 lbs. (2.2 kg) - Pulse 7.0 lbs. (3.1 kg) - 150# ANSI Flange
<b>Stainless Steel:</b>	11.7 lbs. (5.3 kg) - Pulse 13.6 lbs. (6.2 kg) - 150# ANSI Flange

### ACCURACY: ± 1.0% OF READING

#### Select Your Body Material:

Aluminum  
Stainless Steel



#### Features and Benefits:

- ✓ Cumulative and Resettable Totals.
- ✓ BSP or NPT fittings are standard, optional 150# ANSI Flanges are available.
- ✓ Extremely accurate even with viscous fluids.
- ✓ Handles particle sizes to 0.011"/0.28 mm.
- ✓ Meter design minimizes the number of wear-able parts – extending product life.
- ✓ Comes with easy-to-read Mechanical Display.
- ✓ Certificate of Accuracy supplied with meter.

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