



Model GM001 齒輪式流量計

Model GM001



ACCURACY: ±1.0% OF READING

Select Your Body Material:

Aluminum
Stainless Steel
Intermediate Pressure Stainless Steel



Features and Benefits:

- ✓ Up to 1,000 cps viscosity.
- ✓ Compact, durable and serviceable on-site. Extremely accurate even with viscous fluids.
- ✓ Meter design minimizes the number of wearable parts – extending product life.
- ✓ Handles particle sizes to 0.005"/0.127 mm.
- ✓ Comes with combination board (includes Reed Switch/Hall Effect Sensor*).
- ✓ Choose from a variety of Output and Display Options.
- ✓ Certificate of Accuracy supplied with meter.

GM001 – SPECIFICATIONS

Fitting Type:	BSP or NPT (Female)
Sensor Options:	Reed Switch / Hall Effect Sensor* Combo
Rotor Material:	316 Stainless Steel
O-Ring:	Fluorocarbon (Std.), Perfluoroelastomer (Optional)
Output Options:	Pulse Out or Local 4-20 mA Transmitter
Display Options:	Local Display Local Display with 4-20 mA Output
Flow Range:	0.13 - 13.2 GPH (0.5 - 50 LPH)
Flow Range @ < 5 cps:	0.53 - 13.2 GPH (2 - 50 LPH)
Accuracy:	± 1.0% of reading
Repeatability:	± 0.03%
Maximum Viscosity:	1,000 cps
Pressure Rating:	
Aluminum:	75 PSI / 5 BAR
Stainless Steel:	150 PSI / 10 BAR
Intermed. Pressure SS:	800 PSI / 55 BAR
Maximum Temperature:	
Aluminum:	176° F / 80° C
Stainless Steel:	248° F / 120° C
Intermed. Pressure SS:	248° F / 120° C
Typical K-Factor:	5855.4 PPG / 1547 PPL
Wetted Mat'l. - Housing:	
Aluminum:	Aluminum with PPS Cap
Stainless Steel:	316 Stainless Steel
Intermed. Pressure SS:	316 Stainless Steel
Wetted Mat'l. - Rotor:	316 Stainless Steel
Wetted Mat'l. - Bearings:	Sapphire
Wetted Mat'l. - Shaft:	316 Stainless Steel
Frequency Range:	0.2 - 21.5 Hz @ 0.13 - 13.2 GPH
Recommended Strainer Size:	200 mesh
Shipping Weight (approx.):	
Aluminum:	1.0 lbs. (0.45 kg)
Stainless Steel:	2.0 lbs. (0.91 kg)
Intermed. Pressure SS:	2.0 lbs. (0.91 kg)
Remote Display:	Option Available: Model GG500
Remote Transmitter:	Options Available: Models GA500 & GX500

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GM002 - 1/4" OVAL GEAR PULSE METER

GM SERIES

GM002 – SPECIFICATIONS

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

* Hall Effect Sensor requires dedicated power source.



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.

For complete part number, see "Number Reference" chart on page 31.

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 wearable parts – extending product life.
- ✓ Handles particle sizes to 0.005"/0.127 mm.
- ✓ Comes with combination board (includes Reed Switch/Hall Effect Sensor*).
- ✓ Durable and serviceable on-site.
- ✓ Certificate of Accuracy supplied with meter.

GM003 - 1/4" OVAL GEAR PULSE METER



The GM003 is another of the GPI compact Pulse Meters. This 1/4-inch Pulse Meter has an increased flow range and offers the same ability to handle a wide range of fluid viscosities with exceptional levels of repeatability.

For complete part number, see "Number Reference" chart on page 31.

ACCURACY: $\pm 1.0\%$ 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 with standard rotor; 1,000,000 cps with high viscosity rotor.
- ✓ Compact size and extremely accurate even with viscous fluids.
- ✓ High viscosity stainless steel rotor available.
- ✓ Meter design minimizes the number of wearable parts – extending product life.
- ✓ Handles particle sizes to 0.005"/0.127 mm.
- ✓ Comes with combination board (includes Reed Switch/Hall Effect Sensor*).
- ✓ Choose from a variety of Output and Display Options.
- ✓ Certificate of Accuracy supplied with meter.

GM003 – SPECIFICATIONS

Fitting Type:	BSP or NPT (Female)
Sensor Options:	Reed Switch / Hall Effect Sensor* Combo
Rotor Materials:	PPS, 316 Stainless Steel or High Viscosity SS
O-Ring:	Fluorocarbon (Std.), Perfluoroelastomer (Optional)
Output Options:	
Aluminum:	Pulse Out or Local 4-20 mA Transmitter
PPS:	Pulse Out or Local 4-20 mA Transmitter
Stainless Steel:	Pulse Out or Local 4-20 mA Transmitter
High Pressure SS:	Pulse Out
Intermed. Pressure SS:	Pulse Out or Local 4-20 mA Transmitter
Display Options:	Local Display or Local Display w/4-20 mA Output
Flow Range:	4 - 132 GPH (15 - 500 LPH)
Flow Range @ < 5 cps:	6.60 - 132 GPH (25 - 500 LPH)
Accuracy:	$\pm 1.0\%$ of reading
Repeatability:	$\pm 0.03\%$
Maximum Viscosity:	Standard Rotors: 1,000 cps High Viscosity Rotors: 1,000,000 cps
Pressure Rating:	
Aluminum:	75 PSI / 5 BAR
PPS:	75 PSI / 5 BAR
Stainless Steel:	150 PSI / 10 BAR
Intermed. Pressure SS:	800 PSI / 55 BAR
Maximum Temperature:	
Aluminum:	176° F / 80° C
PPS:	176° F / 80° C
Stainless Steel:	248° F / 120° C
Intermed. Pressure SS:	248° F / 120° C
Typical K-Factor:	1514.2 PPG / 400 PPL
Wetted Mat'l. - Housing:	
Aluminum:	Aluminum with PPS Cap
PPS:	PPS
Stainless Steel:	316 Stainless Steel
Intermed. Pressure SS:	316 Stainless Steel
Wetted Mat'l. - Rotor:	
Aluminum:	PPS or Stainless Steel
PPS:	PPS or Stainless Steel
Stainless Steel:	PPS or Stainless Steel
Intermed. Pressure SS:	PPS or Stainless Steel
Wetted Mat'l. - Bearings:	
Aluminum:	Bronze
PPS Rotor:	N/A
Stainless Steel:	Ceramic
Intermed. Pressure SS:	Ceramic
Wetted Mat'l. - Shaft:	
Aluminum:	316 Stainless Steel
PPS:	Hastalloy C / Stainless Steel
Stainless Steel:	316 Stainless Steel
Intermed. Pressure SS:	316 Stainless Steel
Frequency Range:	1.7 - 55.5 Hz @ 4 - 132 GPH
Recommended Strainer Size:	200 mesh
Shipping Weight (approx.):	Aluminum/PPS = 1 lb. (0.45 kg), SS/Intermediate Pressure SS = 2 lbs. (0.91 kg)
Remote Display:	Option Available: Model GG500
Remote Transmitter:	Options Available: Models GA500 & GX500

* Hall Effect Sensor requires dedicated power source.