



VERSION 4

# Industrial Meter Catalog

make it wireless

NEW WIRELESS TRANSMITTER & RECEIVER



888-996-3837

www.gpi.net



# Build-Your-Own G2 Meter



MASTER DISTRIBUTOR

The unique modular approach of the Industrial Grade Meter line allows you to design a meter to match your specific application. The following chart illustrates the variety of materials, sizes, special fittings and electronics choices available. Technical Specifications on Industrial Grade Meters are included in this section. Remote Transmitters for the Industrial Grade Meter Line are covered in Section 6.

## 1) Select Your Turbine Material and Size



**Aluminum:** A05 (1/2 in.)

**Brass:** B05 (1/2 in.)

**Ind. Grade HP:** H05 (1/2 in.)

**SS Ind. Grade:** S05 (1/2 in.)

**Tri-Clover®:** S05T (1/2 in.)



**Aluminum:** A07 (3/4 in.)

**Brass:** B07 (3/4 in.)

**Ind. Grade HP:** H07 (3/4 in.)

**SS Ind. Grade:** S07 (3/4 in.)

**Tri-Clover®:** S07T (3/4 in.)



**Aluminum:** A10 (1 in.)

**Brass:** B10 (1 in.)

**Ind. Grade HP:** H10 (1 in.)

**SS Ind. Grade:** S10 (1 in.)

**Tri-Clover®:** S10T (1 in.)



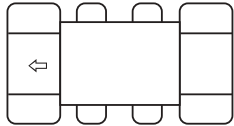
**Aluminum:** A15 (1-1/2 in.)

**Brass:** B15 (1-1/2 in.)

**Ind. Grade HP:** H15 (1-1/2 in.)

**SS Ind. Grade:** S15 (1-1/2 in.)

**Tri-Clover®:** S15T (1-1/2 in.)



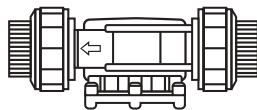
**Aluminum:** A20 (2 in.)

**Brass:** B20 (2 in.)

**Ind. Grade HP:** H20 (2 in.)

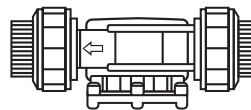
**SS Ind. Grade:** S20 (2 in.)

**Tri-Clover®:** S20T (2 in.)



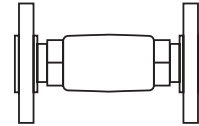
**Ind. Grade PVC:** C05 (1/2 in.)

**Ind. Grade PVDF:** P05 (1/2 in.)



**Ind. Grade PVC:** C10 (1 in.)

**Ind. Grade PVDF:** P10 (1 in.)



**Ind. Grade 150 lb. ANSI Flange:**  
S10F (1 in.)

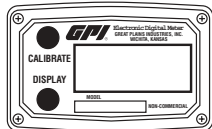
**Ind. Grade 150 lb. ANSI Flange:**  
S15F (1-1/2 in.)

**Ind. Grade 150 lb. ANSI Flange:**  
S20F (2 in.)



## 2) Select Your Electronic Choice

(For further details see page 53)



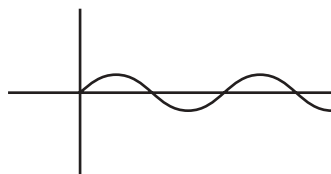
**09 Computer**



**XX No Computer**

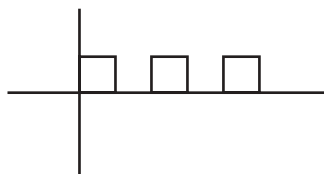


## 3) Select Your Sensor



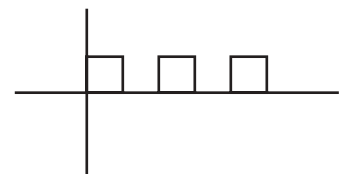
**Analog  
Sine Wave Sensor**

Features magnetic pickup with low-level sine wave output.



**Digital  
Open Collector Sensor**

Features magnetic pickup with open collector output.

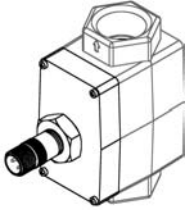


**Digital  
Open Collector Sensor  
for Local Display**

Uses the turbine-mounted computer's magnetic pickup for open-collector output.

BUY SMART. BUY VALUE. BUY GPI

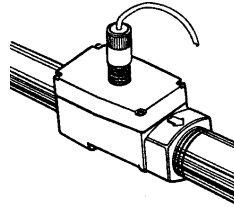
## 4) Select Your Module



**FM Approved Sensor Kit**  
(Open Collector, NPN)  
Part # 120077-01

The FM Approved Sensor is designed for use with any G2 Turbine Meter when rotor pulse data is required and the meter is located within a hazardous location. It is ideal for indoor or outdoor applications, and the output signal is compatible with existing GPI remote electronics.

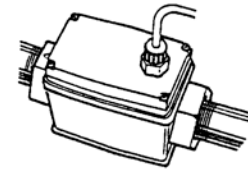
(No Computer Required)



**Standard Remote Kit**  
(Low Level Sine Wave)  
Part # 113265-1

This module allows remote mounting of the computer electronics for specialized situations such as remote readings or high and low fluid temperature applications. Operational Temperature is -40°F - +250°F (-40°C - +121°C) for metal meters.

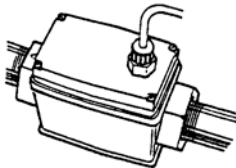
(Requires 09 Computer)



**FM Approved Remote Kit**  
(Low Level Sine Wave)  
Part # 113275-1

This module allows remote mounting of the computer electronics for specialized situations such as remote readings or high and low fluid temperature applications while maintaining the Factory Mutual Approval and self-powered design. Operational Temperature is -40°F - +250°F (-40°C - +121°C) for metal meters.

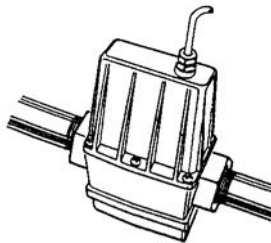
(Requires 09 Computer)



**Conditioned Signal Module**  
(Open Collector or 6V Square Wave Signal)  
Part # 113435-1

This module provides an unscaled, amplified, digital signal from a GPI turbine housing. Digital output eliminates the need for additional signal conditioning equipment. Externally powered, 9-35 VDC. Operational Temperature is -40°F - +212°F (-40°C - +100°C).

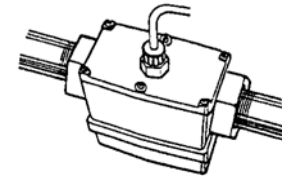
(No Computer Required)



**4-20 mA Module**  
(4-20 mA or 0-5 volt Analog Signal)  
Part # 125100-1

This module provides a current signal from your GPI meter by accessing circuitry from the on-board computer readout. The 4-20 mA Module is loop powered, 7 to 30 VDC. Operational Temperature is 0°F - +150°F (-17°C - +65°C).

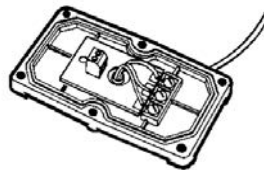
(Requires 09 Computer)



**Pulse Access Module**  
(Digital Open Collector Signal)  
Part # 125060-1

This module provides an unscaled, digital signal from your GPI meter by accessing circuitry from the on-board computer readout. Power is 0 to 60 VDC. Operational Temperature is +14°F - +140°F (-10°C - +160°C)

(Requires 09 Computer)



**External Power Module**  
(Power Option for the Pulse Access Module)  
Part # 125070-1

This module provides an external power option for the 09 Computer or the Pulse Access Module. Internal batteries can be used as an auxiliary power source. Power is 7 to 30 VDC @ 1 mA. Operational Temperature is +14°F - +140°F (-10°C - +60°C)

(Requires 09 Computer & Pulse Access Module)



# G2 Industrial Meters - Stainless Steel



The GPI Stainless Steel Meter line has a proven track record in the industrial market. GPI Stainless Steel Meters are rugged and dependable. Use stainless steel meters for most chemicals: Ammonium, Plating Solutions and Fuel products.

### Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch



### Features and Benefits:

- ✓ Stainless steel meters have excellent chemical compatibility.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ High accuracy meter.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.
- ✓ Accessories easily upgrade meter.

### STAINLESS STEEL - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or ISO (Female)				
<b>Housing Material:</b>	316 Stainless Steel				
<b>Meter Sizes Available:</b>	1/2"	3/4"	1"	1-1/2"	2"
<b>Flow Range:</b>	1/2" (S05)	1 - 10 GPM (3.8 - 37.9 LPM)			
	3/4" (S07)	2 - 20 GPM (7.6 - 75.7 LPM)			
	1" (S10)	5 - 50 GPM (18.9 - 190 LPM)			
	1-1/2" (S15)	10 - 100 GPM (38.0 - 380 LPM)			
	2" (S20)	20 - 200 GPM (76 - 760 LPM)			
<b>Accuracy (% of Reading):</b>		<b>Turbine Only</b>	<b>Turbine w/Computer</b>		
	1/2" (S05)	± 2.0%	± 1.5%		
	3/4" (S07)	± 1.5%	± 1.0%		
	1" (S10)	± 1.5%	± 1.0%		
	1-1/2" (S15)	± 1.0%	± 0.75%		
	2" (S20)	± 1.0%	± 0.75%		
<b>Repeatability:</b>	± 0.1%				
<b>Pressure Rating:</b>	1,500 PSI / 102 BAR				
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)				
	<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)			
<b>Typical K-Factor:</b>	1/2" (S05)	2,500			
	3/4" (S07)	1,100			
	1" (S10)	565			
	1-1/2" (S15)	215			
	2" (S20)	100			
<b>Wetted Materials:</b>	<b>Housing:</b>	316 Stainless Steel			
	<b>Bearings:</b>	Ceramic			
	<b>Shaft:</b>	Tungsten Carbide			
	<b>Rotor:</b>	PVDF			
	<b>Rings:</b>	316 Stainless Steel			
<b>Frequency Range:</b>	1/2" (S05)	42 - 420 Hz @ 1 - 10 GPM			
	3/4" (S07)	37 - 370 Hz @ 2 - 20 GPM			
	1" (S10)	47 - 470 Hz @ 5 - 50 GPM			
	1-1/2" (S15)	36 - 360 Hz @ 10 - 100 GPM			
	2" (S20)	33 - 330 Hz @ 20 - 200 GPM			
<b>Recommended Strainer Size:</b>					
	1/2" (S05)	55 mesh			
	3/4" (S07)	55 mesh			
	1" (S10)	28 mesh			
	1-1/2" (S15)	55 mesh			
	2" (S20)	28 mesh			
<b>Maximum Flow:</b>	1/2" (S05)	15 GPM (56.8 LPM)			
	3/4" (S07)	30 GPM (113.6 LPM)			
	1" (S10)	75 GPM (284 LPM)			
	1-1/2" (S15)	150 GPM (568 LPM)			
	2" (S20)	300 GPM (1,136 LPM)			
<b>Wrench Flat Size:</b>	1/2" (S05)	1-1/16 inch (27 mm)			
	3/4" (S07)	1-5/16 inch (33 mm)			
	1" (S10)	1-5/8 inch (41 mm)			
	1-1/2" (S15)	2-3/8 inch (60 mm)			
	2" (S20)	3 inch (75 mm)			
<b>Shipping Weight:</b>	1/2" (S05)	2.3 lbs./1.1 kg - Turbine Only: 2.1 lbs./.95 kg			
	3/4" (S07)	2.5 lbs./1.1 kg - Turbine Only: 2.3 lbs./1.0 kg			
	1" (S10)	3.0 lbs./1.3 kg - Turbine Only: 2.8 lbs./1.2 kg			
	1-1/2" (S15)	4.6 lbs./2.0 kg - Turbine Only: 4.4 lbs./2.0 kg			
	2" (S20)	6.8 lbs./3.0 kg - Turbine Only: 6.6 lbs./3.0 kg			

### ELECTRONIC CHOICES

**Local Display, Remote Display, & Remote Transmitter Options:** See Section 6.

### APPROVALS



BUY SMART. BUY VALUE. BUY GPI



# G2 Industrial Meters - High Pressure



This is the turbine meter of choice for high pressure applications like spray washers. PSIG for the GPI High Pressure Meter is 3,000 compared to 1,500 for the normal stainless steel meter. This proven meter can perform in all kinds of high pressure applications.

### Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch



### Features and Benefits:

- ✓ High pressure and high accuracy.
- ✓ Excellent chemical compatibility.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.

### HIGH PRESSURE - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or ISO (Female)				
<b>Housing Material:</b>	316 Stainless Steel				
<b>Meter Sizes Available:</b>	1/2"	3/4"	1"	1-1/2"	2"
<b>Flow Range:</b>	1/2" (H05)	1 - 10 GPM (3.8 - 37.9 LPM)			
	3/4" (H07)	2 - 20 GPM (7.6 - 75.7 LPM)			
	1" (H10)	5 - 50 GPM (18.9 - 190 LPM)			
	1-1/2" (H15)	10 - 100 GPM (38.0 - 380 LPM)			
	2" (H20)	20 - 200 GPM (76 - 760 LPM)			
<b>Accuracy (% of Reading):</b>		<b>Turbine Only</b>	<b>Turbine w/Computer</b>		
	1/2" (H05)	± 2.0%	± 1.5%		
	3/4" (H07)	± 1.5%	± 1.0%		
	1" (H10)	± 1.5%	± 1.0%		
	1-1/2" (H15)	± 1.0%	± 0.75%		
	2" (H20)	± 1.0%	± 0.75%		
<b>Repeatability:</b>	± 0.1%				
<b>Pressure Rating:</b>	3,000 PSI / 207 BAR				
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)				
	<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)			
<b>Typical K-Factor:</b>	1/2" (H05)	2,500			
	3/4" (H07)	1,100			
	1" (H10)	565			
	1-1/2" (H15)	215			
	2" (H20)	100			
<b>Wetted Materials:</b>	<b>Housing:</b>	316 Stainless Steel			
	<b>Bearings:</b>	Ceramic			
	<b>Shaft:</b>	Tungsten Carbide			
	<b>Rotor:</b>	PVDF			
	<b>Rings:</b>	316 Stainless Steel			
<b>Frequency Range:</b>	1/2" (H05)	42 - 420 Hz @ 1 - 10 GPM			
	3/4" (H07)	37 - 370 Hz @ 2 - 20 GPM			
	1" (H10)	47 - 470 Hz @ 5 - 50 GPM			
	1-1/2" (H15)	36 - 360 Hz @ 10 - 100 GPM			
	2" (H20)	33 - 330 Hz @ 20 - 200 GPM			
<b>Recommended Strainer Size:</b>					
	1/2" (H05)	55 mesh			
	3/4" (H07)	55 mesh			
	1" (H10)	28 mesh			
	1-1/2" (H15)	55 mesh			
	2" (H20)	28 mesh			
<b>Maximum Flow:</b>	1/2" (H05)	15 GPM (56.8 LPM)			
	3/4" (H07)	30 GPM (113.6 LPM)			
	1" (H10)	75 GPM (284 LPM)			
	1-1/2" (H15)	150 GPM (568 LPM)			
	2" (H20)	300 GPM (1,136 LPM)			
<b>Wrench Flat Size:</b>	1/2" (H05)	1-1/16 inch (27 mm)			
	3/4" (H07)	1-5/16 inch (33 mm)			
	1" (H10)	1-5/8 inch (41 mm)			
	1-1/2" (H15)	2-3/8 inch (60 mm)			
	2" (H20)	3 inch (75 mm)			
<b>Shipping Weight:</b>	1/2" (H05)	2.3 lbs./1.0 kg - Turbine Only: 2.1 lbs./1.0 kg			
	3/4" (H07)	2.4 lbs./1.1 kg - Turbine Only: 2.2 lbs./1.0 kg			
	1" (H10)	3.0 lbs./1.3 kg - Turbine Only: 2.8 lbs./1.2 kg			
	1-1/2" (H15)	4.6 lbs./2.1 kg - Turbine Only: 4.4 lbs./2.0 kg			
	2" (H20)	6.8 lbs./3.0 kg - Turbine Only: 6.6 lbs./3.0 kg			

### ELECTRONIC CHOICES

**Local Display, Remote Display, & Remote Transmitter Options:** See Section 6.

### APPROVALS



BUY SMART. BUY VALUE. BUY GPI



# G2 Industrial Meters - ANSI Flange



Select stainless steel meters with 150 lb. ANSI Flanges when you need a meter that installs in-line quickly. Flange Meters are easily installed and removed with four bolts. Combine with GPI's Computer Electronics for a complete, accurate, metering system.

### Select Your Meter Size:

1 inch      1-1/2 inch      2 inch



### Features and Benefits:

- ✓ Stainless steel meters have excellent chemical compatibility.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Precision accuracy meter.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.
- ✓ Accessories easily upgrade meter.

### ANSI FLANGE - SPECIFICATIONS

<b>Fitting Type:</b>	150 lb. ANSI Flange	
<b>Housing Material:</b>	316 Stainless Steel	
<b>Meter Sizes Available:</b>	1"      1-1/2"      2"	
<b>Flow Range:</b>	<b>1" (S10F)</b>	5 - 50 GPM (18.9 - 190 LPM)
	<b>1-1/2" (S15F)</b>	10 - 100 GPM (38.0 - 380 LPM)
	<b>2" (S20F)</b>	20 - 200 GPM (76 - 760 LPM)
<b>Accuracy (% of Reading):</b>	<b>Turbine Only</b>	<b>Turbine w/Computer</b>
	<b>1" (S10F)</b>	± 1.5%
	<b>1-1/2" (S15F)</b>	± 1.0%
	<b>2" (S20F)</b>	± 1.0%
<b>Repeatability:</b>	± 0.1%	
<b>Pressure Rating:</b>	285 PSI / 19.3 BAR	
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)	
	<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)
<b>Typical K-Factor:</b>	<b>1" (S10F)</b>	565
	<b>1-1/2" (S15F)</b>	215
	<b>2" (S20F)</b>	100
<b>Wetted Materials:</b>	<b>Housing:</b>	316 Stainless Steel
	<b>Bearings:</b>	Ceramic
	<b>Shaft:</b>	Tungsten Carbide
	<b>Rotor:</b>	PVDF
	<b>Rings:</b>	316 Stainless Steel
<b>Frequency Range:</b>	<b>1" (S10F)</b>	47 - 470 Hz @ 5 - 50 GPM
	<b>1-1/2" (S15F)</b>	36 - 360 Hz @ 10 - 100 GPM
	<b>2" (S20F)</b>	33 - 330 Hz @ 20 - 200 GPM
<b>Recommended Strainer Size:</b>	<b>1" (S10F)</b>	28 mesh
	<b>1-1/2" (S15F)</b>	55 mesh
	<b>2" (S20F)</b>	28 mesh
<b>Maximum Flow:</b>	<b>1" (S10F)</b>	75 GPM (284 LPM)
	<b>1-1/2" (S15F)</b>	150 GPM (568 LPM)
	<b>2" (S20F)</b>	300 GPM (1,136 LPM)
<b>Shipping Weight:</b>	<b>1" (S10F)</b>	7.2 lbs./3.3 kg - Turbine Only: 7.0 lbs./3.2 kg
	<b>1-1/2" (S15F)</b>	11.3 lbs./5.1 kg - Turbine Only: 11.1 lbs./5.0 kg
	<b>2" (S20F)</b>	18.6 lbs./8.4 kg - Turbine Only: 18.4 lbs./8.3 kg

### ELECTRONIC CHOICES

Local Display, Remote Display,  
& Remote Transmitter Options: See Section 6.

### APPROVALS





# G2 Industrial Meters - Tri-Clover®



The GPI Stainless Steel Meters with Tri-Clover® fittings can be used with food, beverage and pharmaceutical industries in pre-process applications. Built of stainless steel construction, these meters come in five sizes to fit most every application.

### Select Your Meter Size:

- 1/2 inch Meter with 3/4 inch Fitting
- 3/4 inch Meter with 1 inch Fitting
- 1 inch Meter with 1-1/2 inch Fitting
- 1-1/2 inch Meter with 2 inch Fitting
- 2 inch Meter with 2-1/2 inch Fitting



### Features and Benefits:

- ✓ Stainless steel meter with Tri-Clover® fittings.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Internal parts are easy to replace.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.
- ✓ Accessories easily upgrade meter.

### TRI-CLOVER® - SPECIFICATIONS

<b>Fitting Type:</b>	Tri-Clover®				
<b>Housing Material:</b>	316 Stainless Steel				
<b>Meter Sizes Available:</b>	1/2"	3/4"	1"	1-1/2"	2"
<b>Tri-Clover® Fittings Available:</b>	3/4"	1"	1-1/2"	2"	2-1/2"
<b>Flow Range:</b>	<b>1/2" (S05T)</b>	1 - 10 GPM (3.8 - 37.9 LPM)			
	<b>3/4" (S07T)</b>	2 - 20 GPM (7.6 - 75.7 LPM)			
	<b>1" (S10T)</b>	5 - 50 GPM (18.9 - 190 LPM)			
	<b>1-1/2" (S15T)</b>	10 - 100 GPM (38.0 - 380 LPM)			
	<b>2" (S20T)</b>	20 - 200 GPM (76 - 760 LPM)			
<b>Accuracy (% of Reading):</b>	<b>Turbine Only</b>		<b>Turbine w/Computer</b>		
	<b>1/2" (S05T)</b>	± 2.0%	± 1.5%		
	<b>3/4" (S07T)</b>	± 1.5%	± 1.0%		
	<b>1" (S10T)</b>	± 1.5%	± 1.0%		
	<b>1-1/2" (S15T)</b>	± 1.0%	± 0.75%		
	<b>2" (S20T)</b>	± 1.0%	± 0.75%		
<b>Repeatability:</b>	± 0.1%				
<b>Pressure Rating:</b>	Limited by fitting size				
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)				
	<b>with Computer:</b> +14°F to +140°F (-10°C to +60°C)				
<b>Typical K-Factor:</b>	<b>1/2" (S05T)</b>	2,500			
	<b>3/4" (S07T)</b>	1,100			
	<b>1" (S10T)</b>	565			
	<b>1-1/2" (S15T)</b>	215			
	<b>2" (S20T)</b>	100			
<b>Wetted Materials:</b>	<b>Housing:</b>	316 Stainless Steel			
	<b>Bearings:</b>	Ceramic			
	<b>Shaft:</b>	Tungsten Carbide			
	<b>Rotor:</b>	PVDF			
	<b>Rings:</b>	316 Stainless Steel			
<b>Frequency Range:</b>	<b>1/2" (S05T)</b>	42 - 420 Hz @ 1 - 10 GPM			
	<b>3/4" (S07)</b>	37 - 370 Hz @ 2 - 20 GPM			
	<b>1" (S10T)</b>	47 - 470 Hz @ 5 - 50 GPM			
	<b>1-1/2" (S15T)</b>	36 - 360 Hz @ 10 - 100 GPM			
	<b>2" (S20T)</b>	33 - 330 Hz @ 20 - 200 GPM			
<b>Recommended Strainer Size:</b>	<b>1/2" (S05T)</b>	55 mesh			
	<b>3/4" (S07T)</b>	55 mesh			
	<b>1" (S10T)</b>	28 mesh			
	<b>1-1/2" (S15T)</b>	55 mesh			
	<b>2" (S20T)</b>	28 mesh			
<b>Maximum Flow:</b>	<b>1/2" (S05T)</b>	15 GPM (56.8 LPM)			
	<b>3/4" (S07T)</b>	30 GPM (113.6 LPM)			
	<b>1" (S10T)</b>	75 GPM (284 LPM)			
	<b>1-1/2" (S15T)</b>	150 GPM (568 LPM)			
	<b>2" (S20T)</b>	300 GPM (1,136 LPM)			
<b>Shipping Weight:</b>	<b>1/2" (S05T)</b>	2.5 lbs./1.0 kg - Turbine Only: 2.3 lbs./1.0 kg			
	<b>3/4" (S07T)</b>	2.9 lbs./1.3 kg - Turbine Only: 2.7 lbs./1.2 kg			
	<b>1" (S10T)</b>	3.2 lbs./1.4 kg - Turbine Only: 3.0 lbs./1.3 kg			
	<b>1-1/2" (S15T)</b>	4.7 lbs./2.1 kg - Turbine Only: 4.5 lbs./2.0 kg			
	<b>2" (S20T)</b>	6.5 lbs./2.9 kg - Turbine Only: 6.3 lbs./2.8 kg			

### ELECTRONIC CHOICES

**Local Display, Remote Display, & Remote Transmitter Options:** See Section 6.

### APPROVALS



BUY SMART . BUY VALUE . BUY GPI



# G2 Industrial Meters - Aluminum



GPI offers a full line of Industrial Meters in a variety of housing materials. Aluminum meters are best suited for petroleum based products. The modular design allows for maximum flexibility in meeting custom applications. Models are available with ISO or NPT fittings.

### Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch



### Features and Benefits:

- ✓ High precision, durable and compact turbine flowmeters.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Lightweight, compact design allows for easy installation.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.

### ALUMINUM - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or ISO (Female)				
<b>Housing Material:</b>	Aluminum				
<b>Meter Sizes Available:</b>	1/2"	3/4"	1"	1-1/2"	2"
<b>Flow Range:</b>	<b>1/2" (A05)</b>	1 - 10 GPM (3.8 - 37.9 LPM)			
	<b>3/4" (A07)</b>	2 - 20 GPM (7.6 - 75.7 LPM)			
	<b>1" (A10)</b>	5 - 50 GPM (18.9 - 190 LPM)			
	<b>1-1/2" (A15)</b>	10 - 100 GPM (38.0 - 380 LPM)			
	<b>2" (A20)</b>	20 - 200 GPM (76 - 760 LPM)			
<b>Accuracy (% of Reading):</b>		<b>Turbine Only</b>	<b>Turbine w/Computer</b>		
	<b>1/2" (A05)</b>	± 2.0%	± 1.5%		
	<b>3/4" (A07)</b>	± 1.5%	± 1.0%		
	<b>1" (A10)</b>	± 1.5%	± 1.0%		
	<b>1-1/2" (A15)</b>	± 1.0%	± 0.75%		
	<b>2" (A20)</b>	± 1.0%	± 0.75%		
<b>Repeatability:</b>	± 0.1%				
<b>Pressure Rating:</b>	300 PSI / 21 BAR				
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)				
<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)				
<b>Typical K-Factor:</b>	<b>1/2" (A05)</b>	2,500			
	<b>3/4" (A07)</b>	1,100			
	<b>1" (A10)</b>	565			
	<b>1-1/2" (A15)</b>	215			
	<b>2" (A20)</b>	100			
<b>Wetted Materials:</b>	<b>Housing:</b>	Aluminum			
	<b>Bearings:</b>	Ceramic			
	<b>Shaft:</b>	Tungsten Carbide			
	<b>Rotor:</b>	PVDF			
	<b>Rings:</b>	316 Stainless Steel			
<b>Frequency Range:</b>	<b>1/2" (A05)</b>	42 - 420 Hz @ 1 - 10 GPM			
	<b>3/4" (A07)</b>	37 - 370 Hz @ 2 - 20 GPM			
	<b>1" (A10)</b>	47 - 470 Hz @ 5 - 50 GPM			
	<b>1-1/2" (A15)</b>	36 - 360 Hz @ 10 - 100 GPM			
	<b>2" (A20)</b>	33 - 330 Hz @ 20 - 200 GPM			
<b>Recommended Strainer Size:</b>	<b>1/2" (A05)</b>	55 mesh			
	<b>3/4" (A07)</b>	55 mesh			
	<b>1" (A10)</b>	28 mesh			
	<b>1-1/2" (A15)</b>	55 mesh			
	<b>2" (A20)</b>	28 mesh			
<b>Maximum Flow:</b>	<b>1/2" (A05)</b>	15 GPM (56.8 LPM)			
	<b>3/4" (A07)</b>	30 GPM (113.6 LPM)			
	<b>1" (A10)</b>	75 GPM (284 LPM)			
	<b>1-1/2" (A15)</b>	150 GPM (568 LPM)			
	<b>2" (A20)</b>	300 GPM (1,136 LPM)			
<b>Wrench Flat Size:</b>	<b>1/2" (A05)</b>	1-1/16 inch (27 mm)			
	<b>3/4" (A07)</b>	1-5/16 inch (33 mm)			
	<b>1" (A10)</b>	1-5/8 inch (41 mm)			
	<b>1-1/2" (A15)</b>	2-3/8 inch (60 mm)			
	<b>2" (A20)</b>	3 inch (75 mm)			
<b>Shipping Weight:</b>	<b>1/2" (A05)</b>	1.3 lbs./59 kg - Turbine Only: 1.1 lbs./50 kg			
	<b>3/4" (A07)</b>	1.4 lbs./63 kg - Turbine Only: 1.2 lbs./50 kg			
	<b>1" (A10)</b>	1.6 lbs./73 kg - Turbine Only: 1.4 lbs./63 kg			
	<b>1-1/2" (A15)</b>	2.8 lbs./1.3 kg - Turbine Only: 2.6 lbs./1.2 kg			
	<b>2" (A20)</b>	3.9 lbs./1.7 kg - Turbine Only: 3.7 lbs./1.7 kg			

### ELECTRONIC CHOICES

**Local Display, Remote Display,**  
**& Remote Transmitter Options:** See Section 6.

### APPROVALS



BUY SMART . BUY VALUE . BUY GPI





# G2 Industrial Meters - Brass



The G2 Industrial Brass Meter allows another choice for fluid compatibility. The GPI Brass Meter works well with most water applications. Use with glucose, lacquer thinners and vegetable juices for example.

### Select Your Meter Size:

1/2 inch 3/4 inch 1 inch 1-1/2 inch 2 inch



### Features and Benefits:

- ✓ High precision and durable turbine flowmeters.
- ✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Internal parts are simple to replace for easy maintenance.
- ✓ Powered by Lithium batteries for approximately 9,000 hours.

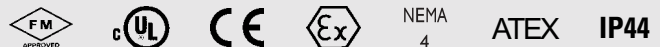
### BRASS - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or ISO (Female)				
<b>Housing Material:</b>	Brass				
<b>Meter Sizes Available:</b>	1/2"	3/4"	1"	1-1/2"	2"
<b>Flow Range:</b>	1/2" (B05)	1 - 10 GPM (3.8 - 37.9 LPM)			
	3/4" (B07)	2 - 20 GPM (7.6 - 75.7 LPM)			
	1" (B10)	5 - 50 GPM (18.9 - 190 LPM)			
	1-1/2" (B15)	10 - 100 GPM (38.0 - 380 LPM)			
	2" (B20)	20 - 200 GPM (76 - 760 LPM)			
<b>Accuracy (% of Reading):</b>		<b>Turbine Only</b>	<b>Turbine w/Computer</b>		
	1/2" (B05)	± 2.0%	± 1.5%		
	3/4" (B07)	± 1.5%	± 1.0%		
	1" (B10)	± 1.5%	± 1.0%		
	1-1/2" (B15)	± 1.0%	± 0.75%		
	2" (B20)	± 1.0%	± 0.75%		
<b>Repeatability:</b>	± 0.1%				
<b>Pressure Rating:</b>	300 PSI / 21 BAR				
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)				
<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)				
<b>Typical K-Factor:</b>	1/2" (B05)	2,500			
	3/4" (B07)	1,100			
	1" (B10)	565			
	1-1/2" (B15)	215			
	2" (B20)	100			
<b>Wetted Materials:</b>	<b>Housing:</b>	Brass			
	<b>Bearings:</b>	Ceramic			
	<b>Shaft:</b>	Tungsten Carbide			
	<b>Rotor:</b>	PVDF			
	<b>Rings:</b>	316 Stainless Steel			
<b>Frequency Range:</b>	1/2" (B05)	42 - 420 Hz @ 1 - 10 GPM			
	3/4" (B07)	37 - 370 Hz @ 2 - 20 GPM			
	1" (B10)	47 - 470 Hz @ 5 - 50 GPM			
	1-1/2" (B15)	36 - 360 Hz @ 10 - 100 GPM			
	2" (B20)	33 - 330 Hz @ 20 - 200 GPM			
<b>Recommended Strainer Size:</b>	1/2" (B05)	55 mesh			
	3/4" (B07)	55 mesh			
	1" (B10)	28 mesh			
	1-1/2" (B15)	55 mesh			
	2" (B20)	28 mesh			
<b>Maximum Flow:</b>	1/2" (B05)	15 GPM (56.8 LPM)			
	3/4" (B07)	30 GPM (113.6 LPM)			
	1" (B10)	75 GPM (284 LPM)			
	1-1/2" (B15)	150 GPM (568 LPM)			
	2" (B20)	300 GPM (1,136 LPM)			
<b>Wrench Flat Size:</b>	1/2" (B05)	1-1/16 inch (27 mm)			
	3/4" (B07)	1-5/16 inch (33 mm)			
	1" (B10)	1-5/8 inch (41 mm)			
	1-1/2" (B15)	2-3/8 inch (60 mm)			
	2" (B20)	3 inch (75 mm)			
<b>Shipping Weight:</b>	1/2" (B05)	2.4 lbs./1.0 kg - Turbine Only; 2.2 lbs./1.0 kg			
	3/4" (B07)	2.6 lbs./1.1 kg - Turbine Only; 2.4 lbs./1.0 kg			
	1" (B10)	3.1 lbs./1.4 kg - Turbine Only; 2.9 lbs./1.3 kg			
	1-1/2" (B15)	3.1 lbs./1.4 kg - Turbine Only; 2.9 lbs./1.3 kg			
	2" (B20)	10.0 lbs./4.5 kg - Turbine Only; 9.8 lbs./4.4 kg			

### ELECTRONIC CHOICES

<b>Local Display, Remote Display,</b>	
<b>&amp; Remote Transmitter Options:</b>	See Section 6.

### APPROVALS



BUY SMART . BUY VALUE . BUY GPI



# G2 Industrial Meters - PVC



The G2 PVC Meter is an exceptional meter for use in **metal-free** applications. The G2 PVC Meter is an economical alternative to stainless steel meters when used for water. The PVC Meter is durable, lightweight and easy-to-install in-line. Use this meter with water and mild chemicals such as alcohol or beer.

### Select Your Meter Size:

1/2 inch

1 inch



### Features and Benefits:

- ✓ PVC meters are economical, durable and lightweight.
- ✓ Available with Local Display or Remote Transmitter.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Accessories easily upgrade meter.
- ✓ One field replaceable internal part makes maintenance easy.

### PVC - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or Solvent Weld (Female)	
<b>Housing Material:</b>	PVC	
<b>Meter Sizes Available:</b>	1/2" and 1"	
<b>Flow Range:</b>	<b>1/2" (C05)</b>	1.2 - 12 GPM (4.54 - 45.42 LPM)
	<b>1" (C10)</b>	5 - 50 GPM (18.9 - 190 LPM)
<b>Accuracy (% of Reading):</b>		
	<b>1/2" (C05)</b>	± 2.0% (Turbine Only)
	<b>1" (C10)</b>	± 1.5% (Turbine Only)
<b>Repeatability:</b>	± 0.3%	
<b>Pressure Rating:</b>	150 PSI / 10.2 BAR	
<b>Operating Temperature Range:</b>	+32°F to +140°F (0°C to +60°C)	
	<b>with Computer:</b> +32°F to +140°F (0°C to +60°C)	
<b>Maximum Storage Temperature:</b>	-40°F to +158°F (-40°C to +70°C)	
<b>Typical K-Factor:</b>	<b>1/2" (C05)</b>	2,400
	<b>1" (C10)</b>	540
<b>Wetted Materials:</b>		
	<b>Housing:</b>	PVC
	<b>Bearings:</b>	Ceramic
	<b>Shaft:</b>	Ceramic
	<b>Rotor:</b>	PVDF
	<b>Rings:</b>	Viton
<b>Frequency Range:</b>	<b>1/2" (C05)</b>	48 - 480 Hz @ 1.2 - 12 GPM
	<b>1" (C10)</b>	45 - 450 Hz @ 5 - 50 GPM
<b>Recommended Strainer Size:</b>		
	<b>1/2" (C05)</b>	55 mesh
	<b>1" (C10)</b>	28 mesh
<b>Maximum Flow:</b>	<b>1/2" (C05)</b>	15 GPM (56.8 LPM)
	<b>1" (C10)</b>	75 GPM (284 LPM)
<b>Shipping Weight:</b>	<b>1/2" (C05)</b>	1.3 lbs./0.6 kg - Turbine Only: 1.1 lbs./51 kg
	<b>1" (C10)</b>	1.9 lbs./0.8 kg - Turbine Only: 1.7 lbs./77 kg

### ELECTRONIC CHOICES

<b>Local Display, Remote Display, &amp; Remote Transmitter Options:</b>	See Section 6.
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### APPROVALS



MASTER DISTRIBUTOR

BUY SMART. BUY VALUE. BUY GPI



# G2 Industrial Meters - PVDF



Looking for a turbine meter that can handle aggressive chemicals? Look at the PVDF Meter for a housing material that resists abrasion and has great chemical compatibility.

Use PVDF Meters with harsh chemicals: Bleach, Ferric Chloride, Phenol, Sulfuric Acid or Phosphoric Acid.

### Select Your Meter Size:

1/2 inch

1 inch



### Features and Benefits:

- ✓ Precision accuracy in a lightweight and durable meter.
- ✓ Installs easily.
- ✓ Available with Local Display or Remote Transmitter.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Accessories easily upgrade meter.
- ✓ One field replaceable internal part making maintenance easy.

### PVDF - SPECIFICATIONS

<b>Fitting Type:</b>	NPT or ISO (Female)	
<b>Housing Material:</b>	PVDF	
<b>Meter Sizes Available:</b>	1/2" and 1"	
<b>Flow Range:</b>	1/2" (P05)	1.2 - 12 GPM (4.54 - 45.42 LPM)
	1" (P10)	5 - 50 GPM (18.9 - 190 LPM)
<b>Accuracy (% of Reading):</b>		
	1/2" (P05)	± 2.0% (Turbine Only)
	1" (P10)	± 1.5% (Turbine Only)
<b>Repeatability:</b>	± 0.3%	
<b>Pressure Rating:</b>	150 PSI / 10.2 BAR	
<b>Operating Temperature Range:</b>	-20°F to +180°F (-28°C to +82°C)	
	<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)
<b>Maximum Storage Temperature:</b>	-40°F to +250°F (-40°C to +121°C)	
<b>Typical K-Factor:</b>	1/2" (P05)	2,400
	1" (P10)	540
<b>Wetted Materials:</b>	<b>Housing:</b>	PVDF
	<b>Bearings:</b>	Ceramic - 98% Alumina
	<b>Shaft:</b>	Ceramic - 98% Alumina
	<b>Rotor:</b>	PVDF
	<b>Rings:</b>	Viton
<b>Optional O-Ring:</b>	Teflon®	
<b>Frequency Range:</b>	1/2" (P05)	48 - 480 Hz @ 1.2 - 12 GPM
	1" (P10)	45 - 450 Hz @ 5 - 50 GPM
<b>Recommended Strainer Size:</b>		
	1/2" (P05)	55 mesh
	1" (P10)	28 mesh
<b>Maximum Flow:</b>	1/2" (P05)	15 GPM (56.8 LPM)
	1" (P10)	75 GPM (284 LPM)
<b>Shipping Weight:</b>	1/2" (P05)	1.3 lbs./0.6 kg - Turbine Only: 1.1 lbs./54 kg
	1" (P10)	1.9 lbs./0.8 kg - Turbine Only: 1.7 lbs./77 kg

### ELECTRONIC CHOICES

Local Display, Remote Display,

& Remote Transmitter Options: See Section 6.

### APPROVALS



NEMA 4

ATEX

IP44



MASTER DISTRIBUTOR

BUY SMART. BUY VALUE. BUY GPI



# GM001 - 1/8" Oval Gear Pulse Meter



Shown here with Standard Display

The GM001 is one of three compact meters in the Oval Gear Meter line. This meter is small and accurate. Choose from either Aluminum or 316 Stainless Steel body materials, both with stainless steel rotors. The GM001 can handle a wide range of fluid viscosities.

**ACCURACY: ± 1.0% OF READING**

### Select Your Body Material:

- Aluminum
- Stainless Steel
- Intermediate Pressure Stainless Steel



### Features and Benefits:

- ✓ 0 - 1,000 cps viscosity.
- ✓ Compact, durable and serviceable on-site. 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.
- ✓ Choose from a variety of Output and Display Options.
- ✓ Certificate of Accuracy supplied with meter.

### GM001 - SPECIFICATIONS

<b>Fitting Type:</b>	BSP or NPT (Female)
<b>Sensor Options:</b>	Reed Switch or Hall Effect Sensor*
<b>Rotor Material:</b>	316 Stainless Steel
<b>O-Ring:</b>	Viton (Std.), Perfluoro Elastomer (Optional)
<b>Output Options:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>Display Options:</b>	Standard LC Display or Local 4-20 mA with Standard Display
<b>Flow Range:</b>	0.13 - 13.2 GPH (0.5 - 50 LPH)
<b>Flow Range @ &lt; 5 cps:</b>	0.528 - 13.2 GPH (2 - 50 LPH)
<b>Accuracy:</b>	± 1.0% of reading
<b>Repeatability:</b>	± 0.03%
<b>Maximum Viscosity:</b>	1,000 cps
<b>Pressure Rating:</b>	
Aluminum:	75 PSI / 5 BAR
Stainless Steel:	150 PSI / 10 BAR
Intermed. Pressure SS:	800 PSI / 55 BAR
<b>Maximum Temperature:</b>	
Aluminum:	176°F / 80°C
Stainless Steel:	248°F / 120°C
Intermed. Pressure SS:	248°F / 120°C
<b>Typical K-Factor:</b>	5855.4 PPG / 1547 PPL
<b>Wetted Mat'l. - Housing:</b>	
Aluminum:	Aluminum
Stainless Steel:	316 Stainless Steel
Intermed. Pressure SS:	316 Stainless Steel
<b>Wetted Mat'l. - Bearings:</b>	Sapphire
<b>Wetted Mat'l. - Shaft:</b>	316 Stainless Steel
<b>Frequency Range:</b>	0.2 - 21.5 Hz @ 0.13 - 13.2 GPH
<b>Recommended Strainer Size:</b>	200 mesh
<b>Shipping Weight (approx.):</b>	
Aluminum:	1.0 lbs. (0.45 kg)
Stainless Steel:	2.0 lbs. (0.91 kg)
Intermed. Pressure SS:	2.0 lbs. (0.91 kg)
<b>Remote Display:</b>	Option Available: Model GG500
<b>Remote Transmitter:</b>	Options Available: Model GA500 & GX500



MASTER DISTRIBUTOR

\* Hall Effect Sensor requires dedicated power source.

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# GM005 - 1/2" Oval Gear Pulse Meter



The GM005 Meter is a low to medium flow range model. The construction of this meter allows for fast and easy servicing while installed.

**ACCURACY: ± 0.5% OF READING**

### Select Your Body Material:

Aluminum  
Stainless Steel



### Features and Benefits:

- ✓ High viscosity PPS and Stainless Steel rotors available.
- ✓ 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.

### GM005 - SPECIFICATIONS

<b>Fitting Type:</b>	BSP or NPT (Female)
<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>	Viton (Standard), Teflon® (Optional)
<b>Output Options:</b>	Pulse Out or Local 4-20 mA Transmitter
<b>Display Options:</b>	Standard LC Display or Local 4-20 mA with Standard Display
<b>Flow Range:</b>	0.26 - 7.9 GPM (1 - 30 LPM)
<b>Flow Range @ &lt; 5 cps:</b>	0.80 - 6.6 GPM (3 - 25 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
<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>	424 PPG / 112 PPL
<b>Double Pickup:</b>	848 PPG / 224 PPL
<b>Wetted Mat'l. - Housing:</b>	
<b>Aluminum:</b>	Aluminum
<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>	1.8 - 55.8 Hz @ 0.26 - 7.9 GPM
<b>Recommended Strainer Size:</b>	60 mesh
<b>Shipping Weight (approx.):</b>	
<b>Aluminum:</b>	3.25 lbs. (1.5 kg)
<b>Stainless Steel:</b>	6.0 lbs. (2.7 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.

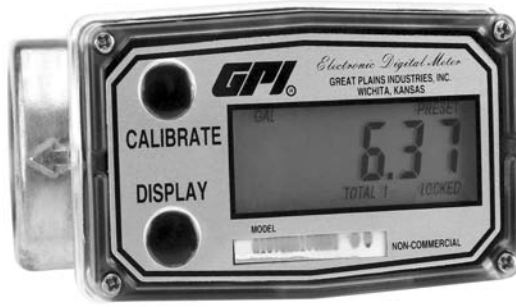
BUY SMART. BUY VALUE. BUY GPI



# A1 Commercial Grade Meters

GPI Commercial Grade Meters are identified by an A1 prefix. Commercial Grade Meters are packaged as a self-contained unit. Select this meter when you need an accurate, basic meter. GPI Commercial Grade Meters come in Aluminum and Nylon.

Choose one of three sizes of Aluminum meters for petroleum products. Use the Nylon meters for water or non-aggressive chemicals.



Aluminum



Nylon

**ACCURACY: ± 1.5% OF READING**  
(on models A100, A200 and N100)

### Select Your Fitting Size:

#### Aluminum:

Low Flow 1 inch 2 inch

#### Nylon:

Low Flow 1 inch



### Features and Benefits:

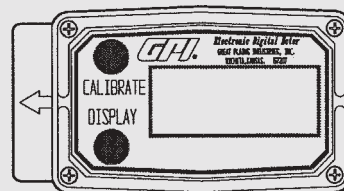
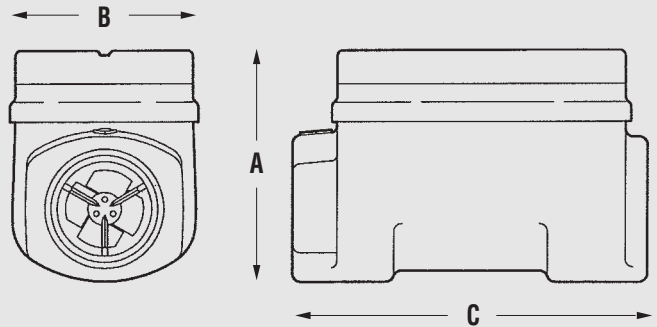
- ✓ Unique package combines Turbine and LCD into a self-contained, compact, economical meter.
- ✓ Local Display Computer features: 2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate.
- ✓ Output capabilities available to communicate with process control equipment.
- ✓ Lightweight, compact design allows for easy installation.
- ✓ Powered by Lithium batteries for long life.

### APPROVALS



### A1 METERS - DIMENSIONS

Model	A = Height	B = Width	C = Length
A025 (Low Flow)	2.5" (6.3 cm)	2.0" (5.1 cm)	4.0" (10.1 cm)
A100 (1 inch)	2.5" (6.3 cm)	2.0" (5.1 cm)	4.0" (10.1 cm)
A200 (2 inch)	4.5" (11.4 cm)	3.0" (7.6 cm)	6.0" (15.2 cm)
N025 (Low Flow)	2.5" (6.3 cm)	2.0" (5.1 cm)	4.0" (10.1 cm)
N100 (1 inch)	2.5" (6.3 cm)	2.0" (5.1 cm)	4.0" (10.1 cm)



MASTER DISTRIBUTOR

BUY SMART. BUY VALUE. BUY GPI



# AI Commercial Grade Meters

	ALUMINUM			NYLON	
	A025 (Low Flow)	A100 (1 inch)	A200 (2 inch)	N025 (Low Flow)	N100 (1 inch)
<b>Design Type:</b>	Paddlewheel	Turbine	Turbine	Paddlewheel	Turbine
<b>Housing Material:</b>	Aluminum	Aluminum	Aluminum	Nylon	Nylon
<b>Fitting Size:</b>	1 inch	1 inch	2 inch	1 inch	1 inch
<b>Fitting Type:</b>	NPT, ISO or BSPP(female)	NPT, ISO or BSPP(female)	NPT or ISO (female)	NPT or ISO (female)	NPT or ISO (female)
<b>Flow Range (GPM):</b>	0.3 - 3 GPM	3 - 50 GPM	30 - 300 GPM	0.3 - 3 GPM	3 - 50 GPM
<b>Flow Range (LPM):</b>	1 - 11 LPM	11 - 190 LPM	114 - 1,135 LPM	1 - 11 LPM	11 - 190 LPM
<b>Accuracy:</b>	N/A *	± 1.5% of reading	± 1.5% of reading	N/A *	± 1.5% of reading
<b>Repeatability:</b>	± 1%	± 0.2%	± 0.2%	± 1%	± 0.2%
<b>Pressure Rating:</b>	300 PSI / 21 BAR	300 PSI / 21 BAR	300 PSI / 21 BAR	150 PSI / 10.2 BAR	150 PSI / 10.2 BAR
<b>Operating Temperature Range:</b>	-40°F to +250°F (-40°C to +121°C)	-40°F to +250°F (-40°C to +121°C)	-40°F to +250°F (-40°C to +121°C)	-40°F to +250°F (-40°C to +121°C)	-40°F to +250°F (-40°C to +121°C)
<b>with Computer:</b>	+14°F to +140°F (-10°C to +60°C)	+14°F to +140°F (-10°C to +60°C)	+14°F to +140°F (-10°C to +60°C)	+14°F to +140°F (-10°C to +60°C)	+14°F to +140°F (-10°C to +60°C)
<b>Wetted Material - Housing:</b>	Aluminum	Aluminum	Aluminum	Nylon	Nylon
<b>Bearings:</b>	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
<b>Shaft:</b>	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide
<b>Rotor:</b>	Nylon	Nylon	Nylon	Nylon	Nylon
<b>Signal Generators:</b>	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
<b>Rings:</b>	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
<b>Typical K-Factor:</b>	2200	730	72	2200	730
<b>Frequency Range:</b>	11 - 110 Hz @ 0.3 - 3 GPM	36.5 - 608.3 Hz @ 3 - 50 GPM	36 - 360 Hz @ 30 - 300 GPM	11 - 110 Hz @ 0.3 - 3 GPM	36.5 - 608.3 Hz @ 3 - 50 GPM
<b>Recommended Strainer Size:</b>	55 mesh	28 mesh	28 mesh	55 mesh	28 mesh
<b>Shipping Weight:</b>	1.35 lbs. (0.61 kg)	1.35 lbs. (0.61 kg)	3.0 lbs. (1.36 kg)	1.0 lbs. (0.5 kg)	1.0 lbs. (0.5 kg)
<b>Local Display:</b>	09 Computer (See page 55)	09 Computer (See page 55)	09 Computer (See page 55)	09 Computer (See page 55)	09 Computer (See page 55)

\* Accuracy can vary up to ±5% depending on installation and fluid type.  
Field Calibration is recommended for best accuracy.



BUY SMART. BUY VALUE. BUY GPI

Model No.  
LM50P



Model No.  
LM50D



Choose from one of the latest positive displacement meters available from GPI. These compact meters are perfect for metering oil and provide exceptional reliability. Choose the LM50P when Pulse Out without Display meets your application. The LM50D model includes an easy-to-read display. Both meters are designed with oval rotors for optimum accuracy.

### Features and Benefits:

- ✓ Extremely accurate.
- ✓ Dependable performance.
- ✓ Reliable, trouble-free operation.

### LM50P - SPECIFICATIONS

<b>Construction:</b>	Aluminum
<b>Wetted Components:</b>	Acetal, Aluminum, Steel and Nitril
<b>Connections:</b>	1/2 inch NPT or BSPT
<b>Flow Range:</b>	0.26 - 7.8 GPM (1 - 30 LPM) @ 5 - 1000 cps
<b>Accuracy:</b>	± 0.5% of reading
<b>Max. Working Pressure:</b>	1500 PSI / 103.5 BAR
<b>Operating Temperature:</b>	+23°F to +131°F (-5°C to +55°C)
<b>Model Numbers:</b>	LM50PB (Lube Meter 1/2" BSPT) LM50PN (Lube Meter 1/2" NPT)

### LM50D - SPECIFICATIONS

<b>Construction:</b>	Aluminum
<b>Wetted Components:</b>	Acetal, Aluminum, Nitril and Steel
<b>Connections:</b>	1/2 inch NPT or BSPT
<b>Flow Range:</b>	0.26 - 7.8 GPM (1 - 30 LPM) @ 5 - 1000 cps
<b>Accuracy:</b>	± 0.5% of reading
<b>Max. Working Pressure:</b>	1500 PSI / 103.5 BAR
<b>Operating Temperature:</b>	+40°F to +131°F (+5°C to +55°C)
<b>Battery:</b>	Two AAA Alkaline batteries
<b>Display:</b>	6 digit; Shows Batch, Reset Total, Non-Reset Total and Rate of Flow
<b>Display Units:</b>	User selectable (gallons, litres, pints or quarts)
<b>Model Numbers:</b>	LM50DB (Lube Meter with Display 1/2" BSPT) LM50DN (Lube Meter with Display 1/2" NPT)



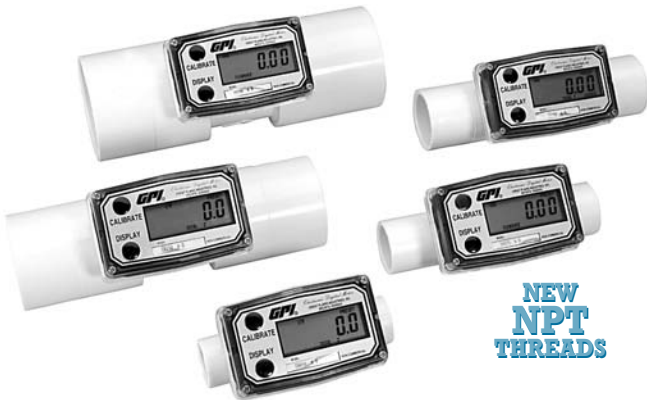




# Economy Electronic Digital Meters

## TM Series Water Meter

**ACCURACY: ± 3.0% OF READING**



### Features and Benefits:

- ✓ Economical turbine meter for use with water applications.
- ✓ Available in 1/2", 3/4", 1", 1-1/2" and 2" sizes.
- ✓ Durable construction and lightweight with gallon and litre measurement.
- ✓ Powered by Lithium batteries for approximately 9,000 hours and are easily replaced.
- ✓ Complete, easy to install and easy to use.

### TM SERIES – SPECIFICATIONS

<b>Design Type:</b>	Turbine
<b>Fitting Size:</b>	1/2" 3/4" 1" 1-1/2" 2"
<b>Fitting Type:</b>	Schedule 40 Soc or NPT
<b>Flow Range:</b>	
1/2" (TM050)	1 - 10 GPM (3.8 - 38 LPM)
3/4" (TM075)	2 - 20 GPM (7.6 - 76 LPM)
1" (TM100)	5 - 50 GPM (19 - 190 LPM)
1-1/2" (TM150)	10 - 100 GPM (38 - 380 LPM)
2" (TM200)	20 - 200 GPM (76 - 760 LPM)
<b>Accuracy:</b>	± 3.0% of reading
<b>Pressure Rating:</b>	150 PSIG @ 73°F
<b>Operating Temperature:</b>	+32°F to +140°F (0°C to +60°C)
<b>Wetted Material:</b>	
Housing:	PVC
Bearings:	Ceramic
Shaft:	Tungsten Carbide
Rotor:	PVDF
Rings:	316 Stainless Steel
<b>Shipping Weight (approx.):</b>	(See page 63 for meter dimensions)
1/2" (TM050)	.80 lbs. (0.36 kg)
3/4" (TM075)	.88 lbs. (0.39 kg)
1" (TM100)	1.0 lbs. (0.45 kg)
1-1/2" (TM150)	1.4 lbs. (0.63 kg)
2" (TM200)	1.68 lbs. (0.76 kg)
<b>Display Options:</b>	Local Display includes: Rate of Flow, Batch and Cumulative Totals. Field Calibration available.

### APPROVALS



## 01N Series Water Meter

**ACCURACY: ± 5.0% OF READING**



### Features and Benefits:

- ✓ Simple, small and sturdy Electronic Digital Water Meter with rugged nylon housing.
- ✓ Mount on the end of a hose or a pipe, in-line.
- ✓ Complete meter, including turbine assembly, microprocessor and LCD readout.
- ✓ Choice of gallon and litre measurement.
- ✓ Works well on any pump or gravity feed system with at least 3-30 GPM (10-100 LPM) flow range.

### 01N SERIES – SPECIFICATIONS

<b>Design Type:</b>	Turbine
<b>Fitting Size:</b>	1 inch
<b>Fitting Type:</b>	NPT or ISO (Female)
<b>Flow Range:</b>	3 - 30 GPM (10 - 100 LPM)
<b>Accuracy:</b>	± 5.0% of reading
<b>Repeatability:</b>	± .5%
<b>Pressure Rating:</b>	150 PSIG (10.2 BAR)
<b>Operating Temperature:</b>	+14°F to +131°F (-10°C to +55°C)
<b>Wetted Material:</b>	
Housing:	Nylon
Bearings:	Ceramic
Shaft:	Tungsten Carbide
Rotor:	Nylon
<b>Signal Generators:</b>	Ferrite
Rings:	316 Stainless Steel
<b>Shipping Weight (approx.):</b>	1.1 lbs. (0.5 kg) (See page 63 for meter dimensions)
<b>Local Display:</b>	Includes: 2 Totals (1 Cumulative, 1 Batch); Permanent factory calibration for water.

### APPROVALS



BUY SMART . BUY VALUE . BUY GPI



# Economy Electronic Digital Meters

## 01A Series Fuel Meter

**ACCURACY: ± 5.0% OF READING**



### Features and Benefits:

- ✓ Lightweight, accurate, and reliable turbine meter with rugged aluminum housing and sealed electronic circuitry.
- ✓ Powered by two AAA batteries that are easy to replace.
- ✓ Factory calibrated for petroleum fuel with a choice of gallon and litre measurement.
- ✓ Works well on any pump or gravity feed system with at least 3-30 GPM (10-100 LPM) flow range.

### 01A SERIES – SPECIFICATIONS

Design Type:	Turbine
Fitting Size:	1 inch
Fitting Type:	NPT or ISO or BSPP (Female)
Flow Range:	3 - 30 GPM (10 - 100 LPM)
Accuracy:	± 5.0% of reading
Repeatability:	± .5%
Pressure Rating:	300 PSIG (21 BAR)
Operating Temperature:	+14°F to +130°F (-10°C to +54°C)
Wetted Material:	
Housing:	Aluminum
Bearings:	Ceramic
Shaft:	Tungsten Carbide
Rotor:	Nylon
Signal Generators:	Ferrite
Rings:	316 Stainless Steel
Shipping Weight (approx.):	2 lbs. (0.9 kg) (See page 63 for meter dimensions)
Local Display:	Includes: 2 Totals (1 Cumulative, 1 Batch); Permanent factory calibration for gasoline, diesel fuel or kerosene.

### APPROVALS



## FM-300H/R Chemical Meter

**ACCURACY: ± 2.0% OF READING**



### Features and Benefits:

- ✓ Simple, small and sturdy Electronic Digital Disc Meter with rugged PBT housing.
- ✓ Mount on the end of a hose or a pipe, in-line.
- ✓ Complete meter, including disc assembly, microprocessor and LCD readout.
- ✓ Choice of gallon and litre measurement.
- ✓ Factory calibrated for thin and medium fluids. Field calibrate for more viscous fluids.

### FM-300H/R – SPECIFICATIONS

Design Type:	Nutating Disc with Electronic Display
Fitting Size:	1 inch
Fitting Type:	Inlet: NPT (Female) Outlet: NPT (Male)
Flow Range:	2 - 20 GPM (7 - 75 LPM)
Accuracy:	± 2.0% of reading
Pressure Rating:	50 PSIG (3.4 BAR)
Operating Temperature:	+15°F to +130°F (-9°C to +54°C)
Wetted Material:	
Housing:	PBT Polyester
Fluid Chamber:	PBT Polyester
Signal Generator Kit:	PBT Polyester / Ferrite
Seals:	Flurocarbon (Viton)
Clip:	316 Stainless Steel
Shipping Weight (approx.):	3 lbs. (1.4 kg)
Display Options:	Local Display includes: Rate of Flow, Batch and Cumulative Totals. Factory and Field Calibration.

### APPROVALS



BUY SMART . BUY VALUE . BUY



# G2 Wireless Transmitter & Receiver

FOR G2 SERIES METERS



APPROVED FOR USE IN THE U.S. AND CANADA



Meter sold separately.

Part No. 12530001



GPI's new, battery-powered Wireless Transmitter is designed to transmit flowrate from a G2 Series meter to the Receiver. This system includes both the Transmitter and Receiver. The Wireless Transmitter is perfect in many plant applications. Both Transmitter and Receiver are color coded making installation easy for optimum signal transmissions.

### Features and Benefits:

- ✓ Simple to use.
- ✓ Affordable wireless system.
- ✓ Battery powered.
- ✓ Retro fits GPI meters.

### WIRELESS ASSEMBLY SPECIFICATIONS

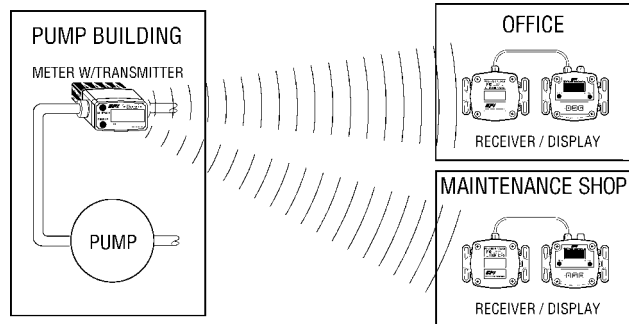
<b>Kit Includes:</b>	Transmitter to fit to G2 Meter Receiver. Receiver includes 25 feet cable. Transmitter Battery Pack
<b>Transmission Frequency:</b>	903.37 MHz - 921.37 MHz
<b>Power Supply:</b>	
<b>Transmitter:</b>	Battery Pack (2 each) 1/2 AA Lithium (3.6V each - 7.2V total)
<b>Receiver:</b>	5 VDC - 35 VDC
<b>Signal:</b>	
<b>Transmitter:</b>	Delayed Burst Transmission Method
<b>Receiver:</b>	Open Collector (Current Sinking) Max. OFF Voltage: 60V Max. ON Voltage: 200 mA
<b>Transmission Distance:</b>	300 ft. Maximum; Line of Sight
<b>Available Channels:</b>	Eight
<b>Transmission Time Intervals:</b>	Four (1 sec., 2 sec., 5 sec., 10 sec.)
<b>Enclosure:</b>	NEMA 4

### APPROVALS



Industry Canada Approval Class B digital device, part 15 of FCC Rules

### SAMPLE APPLICATION



BUY SMART . BUY VALUE . BUY GPI



# Local Display *(Available for Turbine or Oval Gear Meters)*

Choose the 09 Computer for local display on G2 Series Turbine Meters. Commonly used features are preprogrammed in the Standard 09 Computer Display. End-users can enable additional features by using a password available from the factory or on the GPI web site. The 09 configuration provides a very high degree of customization, matching customers' exact needs.



Local Display for Turbine Meter.



Standard Display for Oval Gear Meter.

GPI programmed the new 09 Computer with many new features in addition to the standard factory configuration. Disabling "unnecessary" features makes day-to-day operations simple.

### 09 COMPUTER – SPECIFICATIONS

<b>Std. Factory Configuration:</b>	2 Totals (1 Resettable, 1 Cumulative); Factory Calibration in gallons and litres; 2 User Calibrations and Flowrate
<b>Computer Electronics:</b>	09 Computer fits all A1 and G2 meter sizes and construction. Std. Display fits GM Series Meters.
<b>Totalizing Registers:</b>	0 to 3 available
<b>K-Factor Limits:</b>	Min: .01 pulses/unit Max: 999,999 pulses/unit
<b>Field Calibration:</b>	Field calibrate by user. Standard Method: Dispense/Display. Six adjustable digits.
<b>Readout Totals:</b>	LCD with floating decimal Minimum Display = 0.01 units Maximum Display = 999,999 units (6 digits)
<b>Input Pulse Rate:</b>	Minimum (Pulse-in Input) = DC (0 Hz) Minimum (Coil Input) = Approximately 10 Hz Maximum = Approximately 1,000 Hz
<b>Turbine Display:</b>	
<b>Internal Power Supply:</b>	2 Lithium batteries at 3 volts each
<b>Minimum Battery Life:</b>	9,000 hours
<b>Optional Power Supply:</b>	7 to 30 VDC
<b>Oval Gear Display:</b>	
<b>Internal Power Supply:</b>	9-volt battery
<b>Optional Power Supply:</b>	10 to 18 VDC
<b>Operating Temperature:</b>	+14°F to +140°F (-10°C to +60°C)
<b>Storage Temperature:</b>	-40°F to +158°F (-40°C to +70°C)

### APPROVALS



### Features and Benefits:

- ✓ 2 Totals (1 Resettable, 1 Cumulative).
- ✓ Flowrate display updates every 5 seconds, readout is in units/minute.
- ✓ Factory Calibration in gallons and litres.
- ✓ 2 user-defined Field Calibrations.
- ✓ Small, compact and totally self contained with an internal power supply.
- ✓ Field replaceable Lithium batteries for long life.
- ✓ Automatic on and off.

Using a password-protected configuration process can enable the additional features. GPI Customer Service can provide the password and instructions to unlock and reset configuration settings. This information is also available on the GPI web site. User configuration features include:

Totalizers / Modes Enabled (Cumulative Total, Batch 1 Total, Batch 2 Total, Flowrate Mode)

User can change Flowrate Update Interval

Flowrate Timebase (Minute, Hour, Day)

Factory Calibration Curve Enabled in GAL and LTR

Field Calibration Curve B and/or C Enabled

Dispense/Display or K-Factor Entry Calibration

Maximum Resolution for Field Calibration (0, 1 or 2 Decimals)

BUY SMART . BUY VALUE. BUY GPI



# Local & Remote Transmitters

Transmitters can be mounted directly to a meter (Local) or in a different location from the meter (Remote). Not all transmitters fit every type of meter. Contact GPI Customer Service with specific questions regarding the best transmitter for your particular application.

Remote 4-20 mA  
Transmitter  
With Display

Remote Pulse-Out  
Transmitter With Battery  
Powered Display

Remote 4-20 mA  
Transmitter  
Without Display

	<b>GX500 - Remote Model</b>	<b>GG500 - Remote Model</b>	<b>GA500 - Remote Model</b>
<b>Accuracy:</b>	±0.1% of reading	±0.1% of reading	±0.1% of reading
<b>Output Options:</b>			
<b>Primary Output:</b>	Loop (4-20 mA or 0-20 mA)	Open collector	Loop (4-20 mA or 0-20 mA)
<b>Minimum:</b>	1.5 mA		1.5 mA
<b>Maximum:</b>	25 mA		25 mA
<b>Auxiliary Outputs 0-5 V:</b>	Single Ended	N/A	Single Ended
<b>Minimum:</b>	0.1 V		0.1 V
<b>Maximum:</b>	4.9 V		4.9 V
<b>Pulse-Out:</b>			
<b>Maximum "OFF" Voltage:</b>	60 V	60 V	60 V
<b>Maximum "ON" Current:</b>	200 mA	200 mA	200 mA
<b>Maximum "ON" Voltage Drop:</b>	< 0.5 V @ 500 mA	< 0.5 V @ 200 mA	< 0.5 V @ 500 mA
<b>Electrical:</b>			
<b>Strain Relief:</b>	Hubble PG7	Hubble PG7	Hubble PG7
<b>Strain Relief Thread:</b>	Female 1/2-20 UNF-2B	Female 1/2-20 UNF-2B	Female 1/2-20 UNF-2B
<b>Cable:</b>	Belden 9363 (500 Series only)	Belden 9363 (500 Series only)	Belden 9363 (500 Series only)
<b>Cable Length:</b>	20 ft. (6 m) provided (500 Series only)	20 ft. (6 m) provided (500 Series only)	20 ft. (6 m) provided (500 Series only)
<b>Power Supply:</b>	2-wire, loop powered	9-volt battery or externally powered	2-wire, loop powered
<b>Voltage Supply (Minimum):</b>	8.5 VDC	7 VDC	8.5 VDC
<b>Voltage Supply (Maximum):</b>	35 VDC	30 VDC	35 VDC
<b>Input Options:</b>	Low Level Sine Wave Open collector Contact closure	Low Level Sine Wave Open collector Contact closure	Low Level Sine Wave Open collector Contact closure
<b>Mounting:</b>	Pipe or wall	Pipe or wall	Pipe or wall
<b>Operating Temperature:</b>	+32°F to 140°F (0°C to 60°C)	+14°F to 140°F (-10°C to 60°C)	+14°F to 140°F (-10°C to 60°C)
<b>Frequency Input:</b>			
<b>Low Level Coil (LLC):</b>	0.25 - 1000 Hz	0 - 1000 Hz	0.25 - 1000 Hz
<b>High Level Low Frequency:</b>	0.25 - 150 Hz	0 - 150 Hz	0.25 - 150 Hz
<b>High Level High Frequency:</b>	0.25 - 1000 Hz	0 - 1000 Hz	0.25 - 1200 Hz
<b>Optically Isolated HLLF:</b>	w/2500 V optical isolation		w/2500 V optical isolation
<b>Optically Isolated HLLF:</b>	w/2500 V optical isolation		w/2500 V optical isolation
<b>Enclosure Rating:</b>	NEMA 4X / IP55	NEMA 4X / IP55	NEMA 4X / IP55
<b>Shipping Weight:</b>	2.0 lbs. (.90 kg)	2.0 lbs. (.90 kg)	2.0 lbs. (.90 kg)

**new** 

**GX510 - Local Model**

**GG510 - Local Model**

**GA510 - Local Model**

**Special Features:**

Allows K-factor entry

Allows K-factor entry

**Use the  
510 Conversion Kit  
(sold separately) for  
mounting GX510, GG510  
or GA510 to G2 Meters.**



**BUY SMART . BUY VALUE . BUY GPI**



# Remote Transmitters

## Remote 4-20 mA Transmitter



4-20 mA Transmitter  
without Display

NOW AVAILABLE  
WITH LOCKOUT  
FEATURE



4-20 mA Transmitter  
with Display

The Remote 4-20 mA Transmitter converts a low-level sine wave, open collector, square wave, or contact closure to a 4-20 mA output for long-distance transmission. This transmitter is used when a remote, externally powered current output is required.

### Features and Benefits:

- ✓ Provides communication with process control equipment.
- ✓ Works with G Series, G2 Turbine Meters and GM Oval Gear Meters.
- ✓ Now available with Lockout feature.
- ✓ Available with or without Display.
- ✓ Microprocessor-based electronics have extremely low power requirements.
- ✓ Easy to set 4-20 mA endpoints under actual flow conditions.
- ✓ A signal conditioner with industry standard current loop output.
- ✓ Adjustable sampling time.
- ✓ Easily mounted on pipe, panel or wall.
- ✓ Loop powered.

## Remote Pulse-Out Transmitter

### Features and Benefits:

- ✓ Provides communication with process control equipment.
- ✓ Works with G Series, G2 Turbine Meters and GM Oval Gear Meters.
- ✓ Available with or without Display.
- ✓ Industry Standard Output: Unscaled Pulse.
- ✓ Easily mounted on pipe, panel or wall.



Pulse-Out Transmitter  
without Display



Pulse-Out Transmitter  
with Display

The Remote Pulse-Out Transmitter converts a low-level sine wave to a open-collector output suitable for long-distance transmission. A Remote Pulse-Out Transmitter is used when a remote, externally powered pulse output is required.

BUY SMART . BUY VALUE . BUY **GPI**



# Remote Transmitters

## Remote Transmitters for G2 Meters:

Four options of Remote Transmitters are available for the G2 Turbine Meter line:

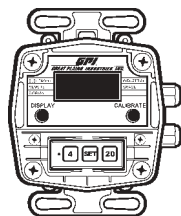
### Remote 4-20 mA Transmitter

With or Without Display  
(Electronic Choice 40 or 20)

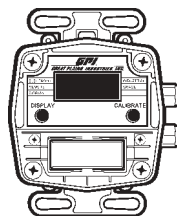
### Remote Pulse-Out Transmitter

With or Without Display  
(Electronic Choice 30 or 10)

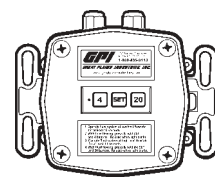
	Remote 4-20 mA With Display (Electronic Choice: 40)	Remote Pulse-Out With Display (Electronic Choice: 30)	Remote 4-20 mA Without Display (Electronic Choice: 20)	Remote Pulse-Out Without Display (Electronic Choice: 10)
<b>Accuracy:</b>	± 0.1% of reading	± 0.1% of reading	± 0.1% of reading	± 0.1% of reading
<b>Output Options:</b>				
<b>Primary Output:</b>	Loop (4-20 mA or 0-20 mA)	N/A	Loop (4-20 mA or 0-20 mA)	N/A
<b>Minimum:</b>	1.5 mA		1.5 mA	
<b>Maximum:</b>	25 mA		25 mA	
<b>Auxiliary Outputs 0-5V:</b>	Single Ended	N/A	Single Ended	N/A
<b>Minimum:</b>	0.1 V		0.1 V	
<b>Maximum:</b>	4.9 V		4.9 V	
<b>Pulse-Out:</b>				
<b>Max. "OFF" Voltage:</b>	—	60 V	—	60 V
<b>Max. "ON" Current:</b>	—	200 mA	—	200 mA
<b>Max. "ON" Voltage Drop:</b>	—	< 0.5 V @ 500 mA	—	< 0.5 V @ 500 mA
<b>Electrical:</b>				
<b>Strain Relief:</b>	Hubble PG7	Hubble PG7	Hubble PG7	Hubble PG7
<b>Strain Relief Thread:</b>	Female 1/2-20 UNF-2B	Female 1/2-20 UNF-2B	Female 1/2-20 UNF-2B	Female 1/2-20 UNF-2B
<b>Cable:</b>	Belden 9363	Belden 9363	Belden 9363	Belden 9363
<b>Cable Length:</b>	20 ft. (6 m) provided	20 ft. (6 m) provided	20 ft. (6 m) provided	20 ft. (6 m) provided
<b>Power Supply:</b>	2-wire, loop powered	2-wire, loop powered	2-wire, loop powered	2-wire, loop powered
<b>Voltage Supply (Min.):</b>	8.5 VDC	8.5 VDC	8.5 VDC	8.5 VDC
<b>Voltage Supply (Max.):</b>	35 VDC	35 VDC	35 VDC	35 VDC
<b>Sensor Options: (w/G2 Meters)</b>				
<b>Standard Remote Sensor:</b>	Low Level Sine Wave	Low Level Sine Wave	Low Level Sine Wave	Low Level Sine Wave
<b>Conditioned Signal or Pulse Access Sensor Type:</b>	Open collector	Open collector	Open collector	Open collector
<b>Mounting:</b>	Pipe or wall	Pipe or wall	Pipe or wall	Pipe or wall
<b>Operating Temperature:</b>	-14°F to 140°F (-10°C to 60°C)	-14°F to 140°F (-10°C to 60°C)	-14°F to 140°F (-10°C to 60°C)	-14°F to 140°F (-10°C to 60°C)
<b>Frequency Input:</b>				
<b>Low Level Coil (LLC):</b>	0.25 - 1000 Hz	0 - 1000 Hz	0.25 - 1000 Hz	0 - 1000 Hz
<b>High Level Low Frequency:</b>	0.25 - 150 Hz	0 - 150 Hz	0.25 - 150 Hz	0 - 150 Hz
<b>High Level High Frequency:</b>	0.25 - 1000 Hz	0 - 1200 Hz	0.25 - 1000 Hz	0 - 1200 Hz
<b>Optically Isolated HLLF:</b>	w/2500 V optical isolation	w/2500 V optical isolation	w/2500 V optical isolation	w/2500 V optical isolation
<b>Optically Isolated HLHF:</b>	w/2500 V optical isolation	w/2500 V optical isolation	w/2500 V optical isolation	w/2500 V optical isolation
<b>Enclosure Rating:</b>	NEMA 4X / IP55	NEMA 4X / IP55	NEMA 4X / IP55	NEMA 4X / IP55
<b>Shipping Weight (approx.):</b>	2.0 lbs. (.90 kg)	2.0 lbs. (.90 kg)	2.0 lbs. (.90 kg)	2.0 lbs. (.90 kg)



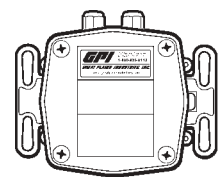
Remote 4-20 mA  
With Display



Remote Pulse-Out  
With Display



Remote 4-20 mA  
Without Display



Remote Pulse-Out  
Without Display

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# Displays & Output Instruments

## R700 Explosion Proof 4-20 mA Transmitter with Display

new 



Remote model shown here.

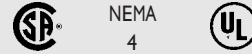
The R700 4-20 mA Transmitter is a loop powered transmitter with simultaneous Rate & Total indicator. The R700 features an explosion proof enclosure for hazardous location use. It also features 20 point linearization.

R700-L Local Mount  
R700-R Remote Mount

### R700 - SPECIFICATIONS

Power Supply:	8.5-30 VDC
Accuracy:	0.01% Reading ± 1 Count
Operating Temperature:	-4°F to +158°F (-20°C to +70°C)
Output:	4-20 mA, Isolated from Ground
Display:	5-digit Rate; 8-digit Totalizer

### APPROVALS



### Features and Benefits:

- ✓ Magnetic Pickup Input, Contact Closure Input, DC Pulse Input.
- ✓ 20 point linearization.

## R800 Explosion Proof Totalizer & Rate Indicator

new 



Local model shown here.

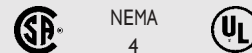
The R800 is a battery powered Totalizer & Rate Indicator. Both Local and Remote models are available. The R800 features an explosion proof enclosure for hazardous location use. It also features 20 point linearization.

R800-LBAT Local Mount  
R800-RBAT Remote Mount

### R800 - SPECIFICATIONS

Power Supply:	One C Size Lithium Battery Pack
Accuracy:	0.01% Reading ± 1 Count
Operating Temperature:	-4°F to +158°F (-20°C to +70°C)
Pulse Output:	Isolated Photomos Relay
Display:	5-digit Rate; 8-digit Totalizer

### APPROVALS



### Features and Benefits:

- ✓ Magnetic Pickup Input, Contact Closure Input, DC Pulse Input.
- ✓ 20 point linearization.

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## SC500 Scaled Pulse Module (Remote)

new 



The new GPI Scaled Pulse Module is a switch-programmable multi-stage counter/divider with multiple inputs. The SC500 provides selectable K-factor to convert input frequency to scaled pulse output. It connects via a 20 foot input cable.

### SC500 – SPECIFICATIONS

<b>Power Source:</b>	DC powered 5 to 30 VDC
<b>Input Signal:</b>	Hall Effect, Reed Switch, NPN, Open Collector or Sine Wave
<b>Frequency Range:</b>	Coil, HF = 0-1500 Hz; LF = 0-150 Hz
<b>Storage Temperature:</b>	-40°F to +257°F (-40°C to +125°C)
<b>Cable:</b>	20 feet, 3-conductor, tinned drain wire, 22 AWG, PVC jacket .212 dia. Reference Belden 9363
<b>Mechanical Connections:</b>	Wall or pipe mountable with standard U-bolts
<b>Electrical Connections:</b>	Two strain relief ports

## SC510 Scaled Pulse Module (Local)

new 



The new GPI Scaled Pulse Module is a switch-programmable multi-stage counter/divider with multiple inputs. The SC510 provides selectable K-factor to convert input frequency to scaled pulse output. It mounts directly to the 1 inch MNPT conduit connector.

### SC510 – SPECIFICATIONS

<b>Power Source:</b>	DC powered 5 to 30 VDC
<b>Input Signal:</b>	Hall Effect, Reed Switch, NPN, Open Collector or Sine Wave
<b>Frequency Range:</b>	Coil, HF = 0-1500 Hz; LF = 0-150 Hz
<b>Storage Temperature:</b>	-40°F to +257°F (-40°C to +125°C)
<b>Cable:</b>	No cable provided
<b>Mechanical Connections:</b>	Unit is mounted to meter body
<b>Electrical Connections:</b>	One strain relief port; one threaded plug

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