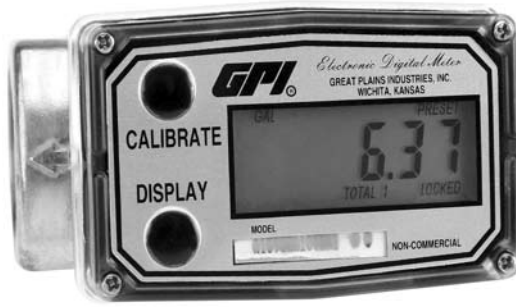




# A1 Commercial Grade Meters

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.



Aluminum



Nylon

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

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

#### APPROVALS



### 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.

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# 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 <sup>*</sup>	± 1.5% of reading	± 1.5% of reading	N/A <sup>*</sup>	± 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 58)	09 Computer (See page 58)	09 Computer (See page 58)	09 Computer (See page 58)	09 Computer (See page 58)

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



# A1 Meter Modules

## Standard Remote Kit Assembly (Part No. 113265-1)



Standard Remote Kit Assembly Installed



The Standard Remote Kit Assembly modifies GPI Electronic Digital Meters for applications in specialized situations including remote indication and high or low fluid temperature metering applications. This kit also provides the versatility of panel mounting of the LCD readout up to 300 ft. from the turbine housing and sensor.

This kit consists of a sensor module, a dustcover assembly and 10 ft. of cable; it also requires a 09 Computer.

Do not use on A1 2" meter. Order 113275-1.

### Features and Benefits:

- ✓ Accommodates fluid temperatures from -40°F to +250°F (-40°C to +121°C).
- ✓ This kit can upgrade an existing GPI meter or can be purchased with a new meter.

### SPECIFICATIONS

Magnetic Pickup:	1.5 k Ohm, 700 mH
Signal Type:	Sine Wave
Voltage:	Peak to Peak 33 mV to 825 mV
Frequency:	11 to 750 Hz
Cable:	10 ft. (3 m), 2-conductor shielded, Belden #1266A or #8451

## FM Approved Remote Kit Assembly (Part No. 113275-1)



FM Approved Remote Kit Assembly Installed



The Factory Mutual (FM) Approved Remote Kit Assembly modifies GPI Electronic Digital Meters for applications in specialized situations including remote indication and high or low fluid temperature metering applications. This kit also provides the versatility of panel mounting of the LCD readout up to 100 ft. from the turbine housing.

This kit consists of a sensor module, a dust-cover assembly and 10 ft. of cable; it also requires a 09 Computer.

### Features and Benefits:

- ✓ Accommodates fluid temperatures from -40°F to +250°F (-40°C to +121°C).
- ✓ This kit can upgrade an existing GPI meter or can be purchased with a new meter.
- ✓ Use this module with GPI Industrial or Commercial Grade Electronic Digital Meters.

### SPECIFICATIONS

Magnetic Pickup:	1.3 k Ohm, 90 mH
Signal Type:	Sine Wave
Voltage:	Peak to Peak 10 mV to 500 mV
Frequency:	11 to 750 Hz
Cable:	10 ft. (3 m), 2-conductor shielded, Belden #9501

### APPROVALS



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