



# INDUSTRIAL FLOWMETERS



*For every flowmeter application.*



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## G SERIES PRECISION METERS

## G2 SERIES INDUSTRIAL METERS

FOOD & BEVERAGE



CHEMICAL



The **G SERIES** Precision Turbine meters are engineered for **ACCURACY AND LONG-LIFE**. This group of meters offers models with NPT, Sanitary, ANSI Flange and Flared fittings to fit your existing design. Meters in this group range from 1/2 inch to 3 inch depending on model. Flow ranges start as low as 0.6 GPM and go to 600 GPM and are Stainless Steel in construction.

**CHOOSE THE G SERIES PRECISION** meters for food and beverage, dairy and pharmaceutical applications. This series is our **MOST ACCURATE** line and is designed to work under **HIGH PRESSURE**. Choose these meters for **SANITARY** applications that require **3-A** Sanitary standards. The GSCPS model in this group meets the requirements for **CIP, SIP** and **COP**.



**GNT**  
Stainless Steel\*



**GSCPS**  
Stainless Steel



**GFT\***



**GTT**

\*



**complete package**  
INCLUDES TURBINE, SENSOR AND ELECTRONIC CHOICE.

The **G2 SERIES** Turbine meters are **SELF-CONTAINED, COMPACT** and feature an **INTEGRATED DISPLAY**. This group of meters offers a variety of metal and plastic materials to meet almost any fluid application. Fitting connections include, NPT, ISO thread, Flange, Sanitary and True union. Meters in this group range from 1/2 inch to 2 inch depending on model. Flow ranges start as low as 1 GPM and go to 200 GPM.

Choose the G2 Series when you need **GOOD ACCURACY** for a **REASONABLE COST**. These meters are intrinsically safe for Class 1, Division 1 environments. The Tri-Clover model is great in non-3A food processing applications. These meters are **COST-EFFECTIVE** and are ideal for **MONITORING, BATCHING** and some process control applications. **PVDF** meters have no wetted metals and can be used with **HARSH CHEMICALS** such as sulfuric acid and bleach.



**G2 Tri-Clover\***



**G2 PVC**



**G2 ANSI Flange\***



**G2 PVDF\***



**G2 Aluminum\***

**G2 Brass\***

**G2 Stainless Steel\***

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## GM SERIES OVAL GEAR METERS

## A1 COMMERCIAL GRADE METERS

MANUFACTURING



WATER



The **GM SERIES** Oval Gear meters are designed for viscous fluids and cover very **LOW FLOW** ranges. GM meters are available in Aluminum, Stainless Steel and Ryton body materials. Fitting connections include NPT, BSP, Sanitary and Flange connections. Meters in this group, range from 1/8 inch to 2 inch depending on model. Flow ranges start as low as 0.13 GPH and go to 92 GPM and offer pulse output, 4-20 and local displays.

These meters are designed to be used with **VISCOUS FLUIDS** such as oils, molasses and oil-based paint. They offer the lowest flow range available for GPI and the oval gear design ensures accuracy not affected by viscosity change and makes maintenance easy.



**A1 COMMERCIAL GRADE** meters are packaged as a self-contained unit. These meters are designed for **MONITORING** applications. The **ALUMINUM** models are available in three flow ranges and have 1 inch and 2 inch connections. The **NYLON** models are available in two flow ranges and 1 inch size only. The electronic display provides 2 totals; factory calibration in gallons and litres; 2 user calibrations and flowrate. Flow ranges for this group start as low as 0.3 GPM and go to 300 GPM.



A1 Aluminum



A1 Nylon



## ECONOMY METERS

## ELECTRONICS CHOICES

WATER TREATMENT



PHARMACEUTICAL



**GPI ECONOMY METERS** are best described as “**APPLICATION SPECIFIC.**” These meters are the choice when **ECONOMY IN MONITORING** is required. Their accuracy is lower than our other meter families but these meters are perfect in many basic applications.

**01 SERIES METERS** are available in aluminum and nylon. The **ALUMINUM** meter comes calibrated from the factory for **PETROLEUM FUEL**. The **NYLON** meter is a simple, rugged, **WATER METER**. These two meters come in the 1 inch size only with a flow range of 3 to 30 GPM.

**FM-300H/R CHEMICAL METER** mounts at the end of the hose or on a pipe inline. The PBT Polyester housing works well for chemicals. The flow range for this meter is 2 to 20 GPM.

**LUBE METERS** are compact meters used for metering **ENGINE OILS OR TRANSMISSION FLUIDS**. The 1/2 inch meter is available with NPT or BSPT connections. The flow range for this meter is 0.26 to 7.8 GPM.

**TM SERIES** meters are an economical choice for **WATER** applications. Five sizes of this PVC meter are available. Choose this meter for measuring water in the 1 to 200 GPM flow range.



01N



LM50D



01A



TM



FM300H/R

GPI Electronics come in a variety of types depending on the output required. Output can be as simple as rate of flow to the Wireless system. GPI Electronics can fit almost any signal need. Output models include:

**CONTROLLERS:** Used for batching and Net Use  
GBT – Batch Controller  
GRT – Total & Rate Controller

**09 COMPUTER DISPLAY:** Mounts on the meter and provides 2 totals (1 resettable, 1 cumulative), 2 user-defined calibrations and flowrate. Easy to customize in the field.

### INDICATING INSTRUMENTS WITH OUTPUT:

GG5 – Pulse Output with Display  
GX5 – 4-20 mA Output with Display  
GA5 – 4-20 mA Output without Display  
SC5 – Scaled Pulse

**WIRELESS:** The Wireless System transmits signal to receiver without the need of cable. Maximum transmission distance is 300 feet.



**GREAT PLAINS INDUSTRIES, INC.**

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