

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.)



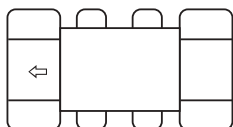
**Aluminum:** A07 (3/4 in.)  
**Brass:** B07 (3/4 in.)  
**Ind. Grade HP:** H07 (3/4 in.)  
**SS Ind. Grade:** S07 (3/4 in.)  
**Tri-Clover®:** S07T (3/4 in.)



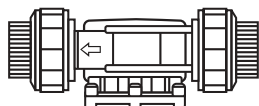
**Aluminum:** A10 (1 in.)  
**Brass:** B10 (1 in.)  
**Ind. Grade HP:** H10 (1 in.)  
**SS Ind. Grade:** S10 (1 in.)  
**Tri-Clover®:** S10T (1 in.)



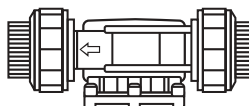
**Aluminum:** A15 (1-1/2 in.)  
**Brass:** B15 (1-1/2 in.)  
**Ind. Grade HP:** H15 (1-1/2 in.)  
**SS Ind. Grade:** S15 (1-1/2 in.)  
**Tri-Clover®:** S15T (1-1/2 in.)



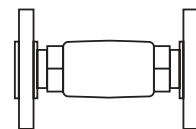
**Aluminum:** A20 (2 in.)  
**Brass:** B20 (2 in.)  
**Ind. Grade HP:** H20 (2 in.)  
**SS Ind. Grade:** S20 (2 in.)  
**Tri-Clover®:** S20T (2 in.)



**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.)

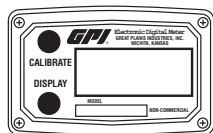


**Ind. Grade 150 lb. ANSI Flange:** S10F (1 in.)  
**Ind. Grade 150 lb. ANSI Flange:** S15F (1-1/2 in.)  
**Ind. Grade 150 lb. ANSI Flange:** S20F (2 in.)



## 2) Select Your Electronic Choice

(For further details see page 53)



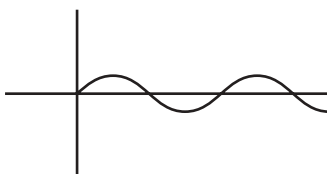
**09 Computer**



**XX No Computer**

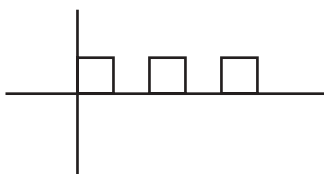


## 3) Select Your Sensor



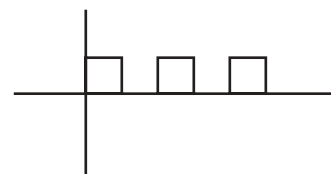
**Analog Sine Wave Sensor**

Features magnetic pickup with low-level sine wave output.



**Digital Open Collector Sensor**

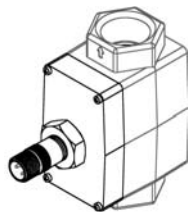
Features magnetic pickup with open collector output.



**Digital Open Collector Sensor for Local Display**

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

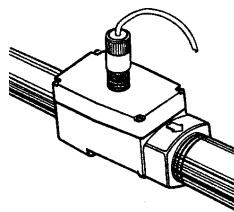
## 4) Select Your Module



**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.

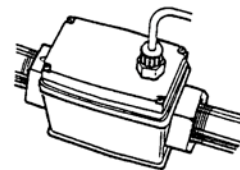
**(No Computer Required)**



**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.

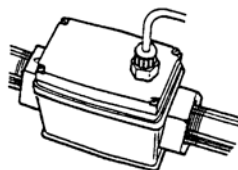
**(Requires 09 Computer)**



**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.

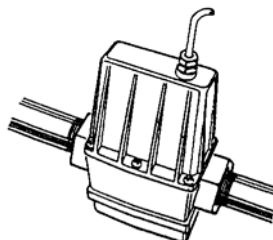
**(Requires 09 Computer)**



**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).

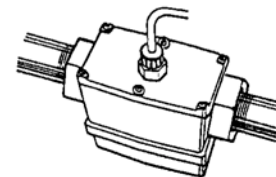
**(No Computer Required)**



**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).

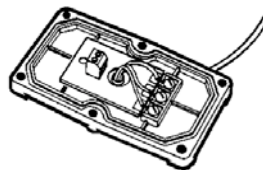
**(Requires 09 Computer)**



**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)**

## 5) Select Your Transmitter

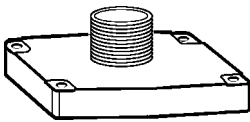
Transmitter choice depends on numerous variables:

- ✓ Do you need a Pulse Out or 4-20 mA Transmitter?
- ✓ Does your application require Remote Mounting or Local Mounting?
- ✓ Do you need a Transmitter with or without Display?
- ✓ Does your application require a Wireless Transmitter system?

Transmitter information is found in the Electronics Section of this catalog. Contact GPI Customer Support for assistance in selecting the best combination of GPI products to fit your unique application.

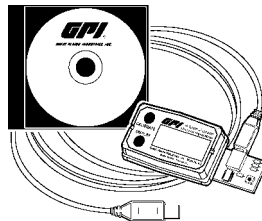


## 6) Do you require any accessories



**Conduit Adapter**  
Part # 113437-1

The Conduit Adapter allows you to enclose wiring from the magnetic pickup. The kit includes a turbine meter cover with a 1 inch male NPT conduit fitting and screws for plastic or metal installation.



**GPI Electronics Programmer**  
Part # 113800-06

Includes software CD, Electronics Programming board, cable and complete installation guide.



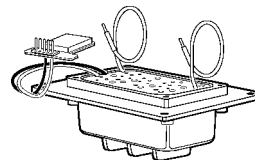
**Display Adapter Kit**  
Part # 125260-01

90° Display Adapter kit allows for horizontal readout of vertical meters. Includes adapter, O-ring, screws and foam spacers required for installation.



**510 Conversion Kit**  
Part # 11344001

The new kit combines the Conduit Adapter with a sensor to allow easy installation of the 510 Series Displays to a G2 Meter.



**Pulse Access Dust Cover**  
Part # 125080-1

Used with the remote kit, this part replaces the dust cover that houses the electronic display. This module allows the signal in from the turbine and a square wave open collector output signal from 0 - 60 VDC.