

# M30 SERIES MECHANICAL FUEL FLOW METER



The **GPI® M30 Mechanical Fuel Flow Meter** is designed for the field measurement of thin viscosity petroleum fuel only and intended for use with pump systems in 5 to 30 GPM (19 to 114 L/min) flow range. This flow meter translates flow data from a nutating disk into calibrated units. The M30 is equipped with both NPT and Flange connections which allows it to be installed on all threaded pump outlets or modular GPI products. This quick-fit modular fuel flow meter is easy to install, easy to use, and easy to maintain.

## FEATURES / BENEFITS

- Quick-Fit modular mounting easily attaches to compatible pumps and accessories
- 1 in. NPT inlet and outlet threaded adapters are included with each flow meter for installation with pipe fittings
- Features simple four-bolt connections that allow the flow meter to be mounted in multiple directions
- Unsurpassed accuracy. Flow meter is within a  $\pm 2.0\%$  accuracy across a flow range from 5 to 30 GPM.
- Durable aluminum housing; magnetic drive replaces the driveshaft and seal, eliminating driveshaft leaks
- Register rotates to read easily in any application; four-digit display, twist knob reset

## APPLICATIONS (Typical application but not limited to)

- Agriculture
- Automotive
- Construction

## APPROVALS / WARRANTY



## SPECIFICATIONS

|                              |                                |                                                    |
|------------------------------|--------------------------------|----------------------------------------------------|
| Technology:                  | Nutating Disc                  |                                                    |
| Line Size:                   | ¾ in. & 1 in.                  |                                                    |
| Accuracy (% of Reading):     | $\pm 2.0\%$                    |                                                    |
| Material Housing:            | Diecast Aluminum               |                                                    |
| Fitting Type:                | ¾ in. NPT (female)             |                                                    |
|                              | 1 in. NPT (female)             |                                                    |
|                              | 1 in. BSPP                     |                                                    |
| Flow Range:                  | 5-30 GPM (19-114 L/min)        |                                                    |
| Pressure Rating:             | 50 PSI (3.45 bar)              |                                                    |
| Pressure Drop (at Max Flow): | Diesel: 7.0 PSI / 0.5 Bar      |                                                    |
|                              | Unleaded: 5.0 PSI / 0.3 Bar    |                                                    |
| Operating Temperature:       | -20°F to 125°F (-29°C to 52°C) |                                                    |
| Wetted Materials:            | Nutator Assembly:              | PBT (Polybutylene Terephthalate), Stainless Steel  |
|                              | Seals:                         | NBR (Nitrile Butadiene Rubber)                     |
|                              | Mag-Drive:                     | Acetal, Stainless Steel, Neodymium (Nickel Plated) |



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### DIMENSIONS

| Dimension<br>"A"   | Dimension<br>"B"     | Dimension<br>"C"     |
|--------------------|----------------------|----------------------|
| 5.9 in.<br>(15 cm) | 5.2 in.<br>(13.2 cm) | 7.9 in.<br>(20.1 cm) |

