

FM-300H/R Chemical Meter



FM-300H/R – SPECIFICATIONS

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| 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: | Fluorocarbon |
| 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. |

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, micro-processor and LCD readout.
- ✓ Choice of gallon and litre measurement.
- ✓ Factory calibrated for thin and medium fluids. Field calibrate for more viscous fluids.










APPROVALS

CE

At Great Plains Industries, we've been building rugged, reliable, liquid flowmeters for over 35 years. The GPI Industrial Meter family includes a full line of Precision and Industrial Turbine meters plus Oval Gear meters in various materials, sizes and fitting options.

We design products to meet the needs of our customers. This includes maintaining appropriate, industry standard approvals. Approvals vary by product line and may be dependent on meter application.

The Approval symbol is listed under product specifications on individual product pages. If no approval mark is found, check the chart to the right. For details about specific "Approvals" refer to the chart.

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| <p>3-A</p> | <p>3-A Sanitary Standards, Inc. "Flowmeters for Milk and Milk Products, Number 28-03" for GSCPS Models and L Option Meters.</p> |
| <p>ATEX </p> | <p>Ex II 1 G Per 94/9/EC.</p> |
| <p></p> | <p>Product reviewed for EMC Directive 2004/108/EC. Includes: Euro Norms 61000-6-2 (2005) and 61000-6-3 (2007) on A1 and G2 Series Meters. Note: For Oval Gear Meters, the CE Approval is applied when meter is part of a system.</p> |
| <p></p> | <p>Factory Mutual Approved Intrinsically Safe for Class I, II, III, Division 1, All Groups. Nonincendive for Class I, II, III, Division 2 Groups A, B, C, D, F, G.</p> |
| <p></p> | <p>Factory Mutual Approved Class 1, Div. 1, Group D (01A31GM Only)</p> |
| <p></p> | <p>Factory Mutual Approved Intrinsically safe for Class I & II, Div. 1, Groups A, B, C, D, E, F & G, T6 Ta=-40° C to 60° C hazardous locations, and for use in Class I, Zone 0 as Ex is IIC T6 Ta=-40° C to 60° C.</p> |
| <p></p> | <p>Federal Communication Commission Industry Canada Approval Class B; digital service, part 15 of FCC Rules.</p> |
| <p></p> | <p>Ex ia IIC T6 Ta=60° C</p> |
| <p>IP44/IP54/IP66</p> | <p>Ingress Protection Code IP44 (Greater than 1 mm and splashed water); IP54 (Dust protected and splashed water); IP66 (Dust-tight and heavy seas).</p> |
| <p>IP/NEMA</p> | <p>Pulse versions of Oval Gear Meters have enclosure ratings that vary from IP54 / NEMA 13 to IP66 / NEMA 16 depending on the application.</p> |
| <p>NEMA 4</p> | <p>NEMA Requirements: Enclosure constructed for indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment. Protection against falling dirt, rain, sleet, snow, windblown dust, splashing or hose directed water that will be undamaged by the external formation of ice on the enclosure. <i>GPI products are tested to NEMA requirements.</i></p> |
| <p></p> | <p>Restriction of Hazardous Substances Directive 2002/95/EC and 2011/65/EU</p> |
| <p></p> | <p>Indicates that the product was tested and has met the certification requirements for electrical, plumbing and/or mechanical products.</p> |