

M-Series™ Electromagnetic Meter Model M-3000

Features	Benefits
FM Approved for Class I, Div 2 Groups A-D	Can be used in hazardous locations consistent with Class I, Div 2 definition
Completely open flow tube design	<ul style="list-style-type: none"> • No pressure loss = less pumping energy required • No moving parts = no wear, no maintenance • No “ Water Hammer” issue
Accuracy $\pm 0.25\%$ of rate for velocities greater than 1.64 ft/s Accuracy ± 0.004 ft/s for velocities less than 1.64 ft/s	Greatly exceeds AWWA accuracy standards for all conventional, mechanical metering technologies
Wide flow range	Measures wider range than Turbine or Propeller meters
Not highly affected by pipe disturbances Installation Requirements: <ul style="list-style-type: none"> • Only 3 diameters of straight pipe upstream and 2 diameters downstream 	<ul style="list-style-type: none"> • Installation requirements are less restrictive than those for turbine or propeller meters. • Reduces installation costs
Works with more solids in the liquid than are tolerated by other types of meters	<ul style="list-style-type: none"> • Suitable for well water and reclaimed water systems • Sand, gravel or debris do not affect meter performance • No strainer necessary
Back-lit LCD Display with 4 line by 16 character	Simultaneous display of: <ul style="list-style-type: none"> • Software Revision/Error Messages • Flow Rate • Totalizer - Forward Flow • Totalizer – Reverse Flow
Display - 90 Degree Rotation Capability	Provides flexibility in meter installation location (horizontal, vertical, angled, etc.)
Outputs	Standard outputs include pulse and analog outputs; SCADA and AMR compatible
Net Totalizer	Displays the Net Difference of Forward and Reverse Flow Totalizers
Password Protection	Programming capability can be password protected
Self-Diagnostics	End user can verify all measuring circuits are functional

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