

Ultra Mag[®] Electromagnetic Flowmeter



**Flow Measurement Solution for
Water and Wastewater**



The Ultra Mag® from McCrometer is an electromagnetic flowmeter designed specifically for the water and wastewater industry measuring liquids, slurries and sludge. With a wide flow range, no head loss, and no maintenance the Ultra Mag® delivers a highly accurate measurement you can count on.

Custom-Built Saving Time and Money

Only McCrometer offers a truly customized meter built to fit your application reducing labor during installation and ultimately saving you money.

We offer the following:

- Special lay lengths
- Meter or remote mounted converter
- Flanged end connections (ANSI, AWWA, DIN, JIS, smooth, and grooved ends)
- Custom cable lengths

Applications

Clean Water

Well Water
Potable Water
Pump Stations
Rate-of-Flow Control
Raw Water Transmission

Wastewater

Influent
Effluent
Reclaimed
Lift Stations
Waste Activated Sludge
Return Activated Sludge





Superior Durability with Fusion-Bonded Ultraliner™

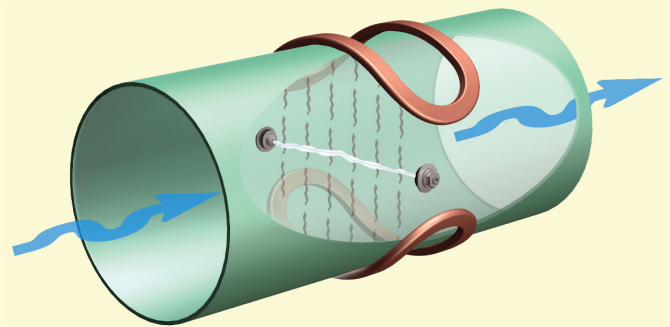
The fusion-bonded epoxy Ultraliner™ has been tested and certified by NSF. This unique liner is applied by using a fluidized bed method resulting in superior resistance against abrasion and corrosion for water and wastewater utilization. The liner provides a highly protective coating with non-conductive properties for outstanding electrical insulation.

Unlike other liners, the Ultraliner creates a seamless continuous barrier over the meter that will not delaminate, separate or collapse.

Performance Advantages

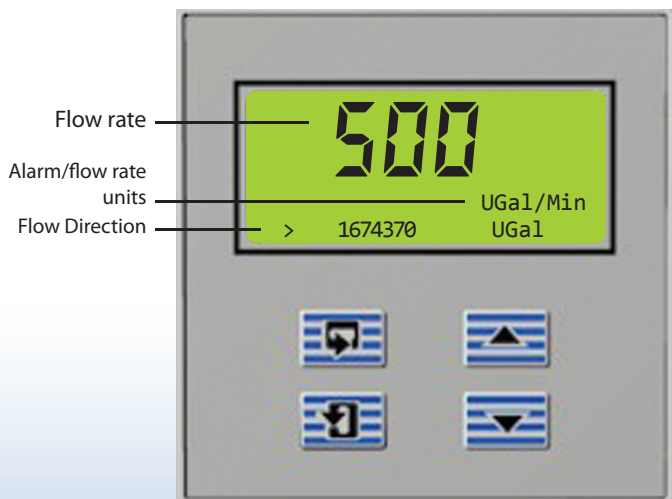
- No obstruction to the flow
- No moving parts
- Maintenance free
- Worry-free accurate measurement
- Debris or solids will not clog the meter
- No head loss
- Bi-directional flow
- Empty pipe detection
- Unaffected by changes in density and viscosity
- No risk of liner delamination or separation

Principles of Operation



The Ultra Mag is a non-invasive flow measurement device. It uses two compact, high density magnetic coils to generate an electromagnetic field inside the pipe section. As conductive liquid flows through the pipe, a voltage is created, which is measured by electrodes inserted through the flowmeter lining into the flow. The voltage is converted to a flow rate reading by the Ultra Mag's signal converter and shown on the digital display.

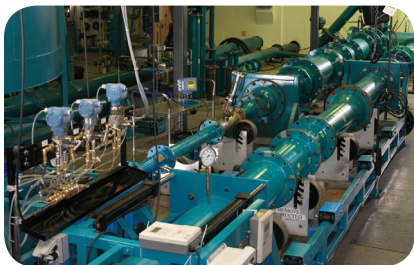
Keypad Display



COMMITMENT TO INTEGRITY



For over 50 years, McCrometer has demonstrated an unyielding commitment to integrity which is reflected in our stringent flowmeter calibration processes. Each flowmeter is individually wet calibrated in one of our two world-class NIST traceable calibration facilities and delivered with a Certificate of Calibration.



Our Hemet, California factory boasts a robust Calibration Test Lab that enables production of the most accurate and precise flow instrumentation. The test facility utilizes three gravimetric systems and two volumetric systems providing accuracy and calibration tests of flowmeters from 1/2 to 20-inch diameter, with flow rates up to 4,000 gpm.



Our large volume test facility is located in Porterville, California. This facility is one of the world's largest volumetric test facilities owned by a meter manufacturer, and it offers accuracy and calibration tests of flowmeters from 3 to 72-inch diameter, with flow rates up to 60,000 gpm.

For specifications visit: www.mccrometer.com/umspecs

Represented by:



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