

## OCTAVE® ULTRASONIC WATER METER

### Product Advantages

- Double-beam ultrasonic sensors provide highly accurate flow data and reliable operation.
- No impeller or moving parts in the flow path provides for unrestricted, low pressure loss flows.
- Reduced maintenance of wear-prone parts commonly found in other meters.
- Flow ranges from < 1 GPM to 5,500 GPM.
- Multi-line readout screen provides complete flow and volume information along with:
  - Leak detection
  - Battery level
  - Flow direction
  - Alarms and errors
  - Output mode
  - Active communication mode
- Vacuum sealed and tamper proof IP68 register provides durability and long-term performance.
- Lithium batteries provide a 10 year life expectancy.
- Each meter has a unique, unalterable bar-coded serial number for identification.
- Standard registers are programmed to log and display both forward and reverse flow. Physically reversing the meter will not decrease the forward flow totalizer.
- Each meter ships with a certificate verifying flow accuracy with a  $\pm 1.5\%$  accuracy for nominal flow rates.

Part No.	Price
36OCT02GALNO	
36OCT03GALNO	
36OCT04GALNO	
36OCT06GALNO	
36OCT08GALNO	
36OCT10GALNO	
36OCT12GALNO	

### SPECIFICATIONS

- Sizes: 2", 3", 4", 6", 8", 10" and 12"
- Body: Epoxy-coated cast iron with flange inlet and outlet
- Maximum Working pressure: 230 psi
- Fluid Temperature Range: 32° to 122° F (0.1° to 50° C)
- Connection: Flanges ANSI ISO for AWWA connection standard
- Power Source: 2'D' Size non-replaceable Lithium batteries
- Environmental Protection: IP-68, Ambient operation temperature for display: -13 to 131° F (-25° to 55° C)
- Display Units: Multi-line, programmable 9 digit LCD display
- Output (optional): Programmable single/dual open collector pulse output or externally powered 4-20 mA loop



**PRECISE MEASUREMENT  
OF FLOW RATE**



## AG3000 FLANGED MAGMETER

### Product Features

- Easy setup
- Minimal straight pipe
- Mounted or remote rate & total
- Tamper-evident seal
- IP68 rated
- Telemetry ready—for wireless meter reading
- No Moving Parts

*Minimal straight pipe requirements allow AG3000 meters to be used where there is little installation space. Unobstructed flow and no moving parts reduce maintenance costs.*

Part No.	Price
AG3000-3F	
AG3000-4F	
AG3000-6F	
AG3000-8F	
AG3000-10F	
AG3000-12F	

### SPECIFICATIONS

- Sizes: 3", 4", 6", 8", 10" and 12"
- Body: 3" only Ductile cast iron, powder coated  
4" -12" Welded steel, epoxy coated
- Temperature Operating: 10° to 130° F (-12° to 54° C)
- Temperature Storage: -40° to 158° F (-40° to 70° C)
- Flanges: 150 lb. ANSI Pattern
- Pressure: 150 psi (10.3 bar) line pressure
- Accuracy:  $\pm 0.75\%$  of reading on AG3000p and AG3000r ( $\pm 1.0\%$  AG3000),  $\pm 0.025\%$  of full-scale flow from low flow cutoff to maximum flow rate of 10 m/sec

### Features

- Built-in Data Logger (Optional)
- Bidirectional Flow Reading (Standard)
- Pulse Scaled Output (Standard)
- 4-20mA Output (Optional\*)
- HART Protocol Output (Optional\*)
- Modbus® Protocol Output (Optional\*)
- High Speed Digital Output (Optional\*)
- Battery Power (AG3000 battery model only)
- External DC Power (Optional\*)
- Integrated AC Power Supply (Optional\*)
- Remote Display (AG3000r)



**Seametrics**

RIGHT METER FOR  
Irrigation  
Chemigation  
Agricultural automation  
Well usage monitoring  
Dairy lagoons



## SIGNET 3150 AGROTOR ASSEMBLY

*The advance AgRotor system allows a single meter design with the proper saddle to be mounted in either a horizontal piping system or in the vertical stand pipe of Irrigation Pivots ranging from 6 to 12 inches.*

### Fields of Application

- Agriculture Irrigation
- Center Pivots
- Nursery/Greenhouse
- Fertilization/Chemical Injection
- Golf Courses
- Turf Irrigation

### SPECIFICATIONS

- Lightweight, easy set-up, installation and field service/repair. One 2.5 inch hole required.
- Battery operated or DC power input
- Pulse output for telemetry (pivot panel, SCADA devices, chemical injections)
- Easy-to-read digital display
- Permanent totalizer cannot be erased
- High accuracy and excellent repeatability for precise measurements
- No vanes required
- Low to no pressure drop due to prop sensor design
- Non-volatile memory
- Two-year manufacturers warranty. One-year warranty on replacement rotor

Part No.	Price
4-3150-31	
4-3150-32	

### Performance Advantages

- Standard power options
- - 2 X 3.6 lithium batteries – 4 Year Life
- - Solar panel
- - 12 to 24 VDC
- Volumetric output signal for data collection and telemetry systems
- Single flow system design that can be used in any 6,8,10 or 12 inch pipe irrigation systems
- Totalizer can be programmed in Acre ft, Acre in or gallons X 1000
- Mounts in pipe horizontally or vertically
- Password protected
- Lockable cover (tamper proof)
- Installs in 30 minutes
- Field repairable
- Minimum downtime
- Fits all Center Pivot manufacturers systems

**+GF+**



**Only one meter to stock**  
**No vanes needed**  
**Only 3 parts needed for repair**



## ULTRA MAG® ELECTROMAGNETIC FLOWMETER

*The Ultra Mag® from McCrometer is an electromagnetic flow meter 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.*

### Features

- Non-intrusive measurement
- NSF-approved, fusion-bonded epoxy liner: the UltraLiner
- Signal converter (can be meter mounted or remote mounted up to 200 ft. away)
- Meter is wet calibrated in NIST traceable calibration facility
- Forward and reverse flow outputs and totalization

### Performance Advantages

- Needs only 1 pipe diameter upstream of most flow disturbers
- No obstruction to the flow
- No moving parts to wear or break
- 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
- Wide flow range
- Separated power and signal cables

Part No.	Price
UM06-4M	
UM06-6M	
UM06-8M	
UM06-10M	
UM06-12M	

### SPECIFICATIONS

- Accuracy:  $\pm 0.5\%$  of actual flow
- Calibration: Pre-programmed and pre-calibrated to user's specific applications
- Diagnostics: Test mode and self-diagnostics
- Line size: From 2" to 48"
- Range: From 0.2 FPS - 32 FPS
- Repeatability:  $\pm 0.05\%$  to  $\pm 0.0008$  ft/s ( $\pm 0.25$  mm/s), whichever is greater

### CERTIFICATIONS

- Listed by CSA to 61010-1: Certified by CSA to UL 61010-1 and CSA C22.2 No. 61010-1-04
- ISO 9001:2008 certified quality management system



Flow Measurement  
Solution for  
Water and Wastewater

