



Marsh-McBirney Flowmeter and USGS Top-Setting Wading Rod



The Marsh-McBirney Model 2000 Flo-Mate uses an electromagnetic sensor to measure water velocity. Powered by two D-size batteries, the unit has a measurement range of -0.5 to +19.99 feet per second (-0.15 to +6 meters per second). The top-setting wading rod allows the sensor to be conveniently set at 20%, 60%, and 80% of total depth.

Uses:

Measure the velocity profile so that flow in open channels can be calculated.

Maintenance:

Routine maintenance of the flow meter consists of cleaning the sensor and changing the batteries. Use soap and water to remove nonconductive coatings (oil and grease) from the sensor. Never use hydrocarbon solvents. Oily coatings can cause noisy readings or conductivity loss errors. If problem readings persist after washing the sensor, gently clean the carbon electrodes with very fine (600) grit sandpaper.

Check out Contact information:

This flow meter and wading rod are available from the Technical Services Branch of the Mid-Continent Region. Contact **Brian Hicks** at **618-463-6463 ext. 5121** or **bhicks@osmre.gov**.