



Global Water Flow Probe



The Flow Probe has a shrouded propeller sensor attached to a telescoping (3.7 to 6 feet) anodized aluminum rod. As magnetic material in the tip of the freely rotating propeller passes a pickup point in the base of the rod, electrical impulses are sent to the LCD readout display on the top of the rod by an internal cable. Measurement range is 0.3–19.9 feet per second (0.1–6.1 meters per second). The probe housing may be placed directly on the bottom of a streambed for measuring flows in as little as 2 inches of water.

Uses:

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

Maintenance:

Routine maintenance of the flow meter consists of ensuring that the propeller turns freely and changing the 386 (AG12) button batteries in the read out which is otherwise always on. A change/reinsertion of batteries requires running through the set up/calibration procedure where “feet per second” is returned to the factory setting of 33.30.

Check out Contact information:

This Global flow probe is available from the Technical Services Branch of the Mid-Continent Region. Contact **Brian Hicks** at **618-463-6463 ext. 5121** or **bhicks@osmre.gov**.