

## 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.

### **Use:**

The device measures 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 or 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](mailto:bhicks@osmre.gov).

Equipment may be borrowed for a specific period. Equipment on loan will be temporarily transferred using a Department of the Interior Property Pass, Standard Form DI-1934, signed by the appropriate responsible individuals. OSMRE will generally pay for delivery to the requestor’s office. The cost of return delivery will be borne by the requesting office. Some equipment is oversized or may need special handling.