WATER

FP101 Global Flow Probe

Digital water velocity meter

- Easy flow monitoring
- Digital display in ft/sec or m/sec
- Lightweight, rugged, and reliable
- Highly accurate
- Used by water professionals worldwide for over 12 years

- Debris shedding turbo-prop
- Telescoping handle with staff gauge
- Displays instantaneous and true average velocity
- Rain-proof digital computer read-out
- Padded carrying case for easy storage

- Ideal for measuring flows in streams, rivers, canals, stormwater, wastewater and industrial process waters

Description

The Global Water Flow Probe is a highly accurate water velocity instrument for measuring flows in open channels and partially filled pipes. The water velocity probe consists of a protected water turbo prop positive displacement sensor coupled with an expandable probe handle ending in a digital readout display. The water flow meter incorporates true velocity averaging for the most accurate flow measurements. The Flow Probe is ideal for storm water runoff studies, sewer flow measurements, measuring flows in rivers and streams, and monitoring velocity in ditches and canals.

Turbo-Prop Sensor:

The Flow Probe incorporates the unique Turbo-Prop propeller sensor that uses the positive displacement technique for velocity sensing. The Turbo-Prop is designed to shed debris and is protected inside a 2" diameter housing. The probe housing may be placed directly on the bottom of pipes or streambeds for measuring low flows down to 2" in depth. The flow meter propeller rotates freely on its shaft with no mechanical interconnections for minimal friction. The Turbo-Prop, is easily removed for cleaning or replacement.

True Velocity Averaging:

The Flow Probe uses true velocity averaging. To start a running average, first hold the reset button for 3 seconds to zero the display. When the probe is placed in the water flow, an average will begin. As long as the water velocity sensor remains in the flow, the averaging continues. Once the average reading becomes steady, the true average velocity has been obtained. When you pull one of Global Water's environmental flow meters from the water, the average value is frozen on the display until reset.

Probe Handle:

The Flow Probe handle can telescope from 3 feet to 6 feet in length (FP101) or 5 feet to 15 feet (FP201). It is constructed of anodized aluminum for light weight and long life. The Flow Probe may be easily extended up to 25 feet in length using PVC pipe and an extension cable. This allows for sewer flow measurements from street level and measuring of stream flows from low bridges. A 3 ft. mylar coated staff gauge (graduated in hundredths of a foot and centimeters) is attached to the lower section of the water velocity probe for instant water depth measurements and accurate propeller positioning.

Contact Global Water for all your instrumentation needs:

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Specifications

Range: 0.3-15 FPS (0.1-4.5 MPS)
Accuracy: 0.1 FPS
Averaging: True digital running average. Readings taken once per second.
Display: LCD
Sensor Type: Protected Turbo-Prop propeller with electro-magnetic pickup.
Weight: 2 pounds (10 lbs. U.S., 14 lbs. international shipping weight)
Size: Length: FP101 3' to 6'; FP201 5' to 15'
Materials: PVC, anodized aluminum, stainless steel bearing
Power: Internal watch type battery/1 year life
Operating Temperature: 0° to 120° F
Carrying Case: The Flow Probe is shipped in a padded carrying case.