

# Quick Reference

## Flow Probe FP101 & 201

**Water Velocity Measurement**  
with Maximum & Average Velocities Displayed Digitally

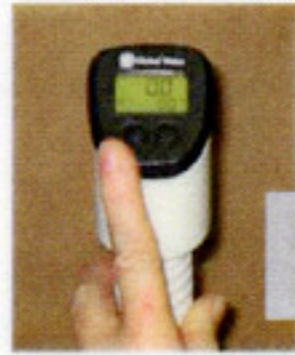


- **Factory-calibrated & ready for immediate use:**



- **Blow on the propeller** for 5 – 10 seconds to ensure it turns freely.

- The Flow Probe computer display has **simple, 2-button operation:**



**Left Button:**  
Choose Option / Change Value

**Right Button:**  
Step through Functions



**Both Together:**  
( for 1sec ) – Resets Average & Max values to Zero.  
( for 8 sec ) – enters Set-Up Mode (Calibration & Time).

- **Reset the display computer** by pushing both Right & Left buttons simultaneously. Scroll to " V " Mode to measure velocity (to nearest 0.1 ft/sec; Avg & Max to nearest 0.01 ft/sec).

- **Orient the propeller** directly into the flow using the arrow indicator aimed downstream



- With the propeller at your measuring point, **hold the probe in place for several seconds**, and then remove the probe. The Average Velocity reading will hold once the propeller stops turning. **Conversely, move the probe in a smooth vertical motion** (as if painting with a brush) to attain the Average Velocity of a water column.

**Some things to be aware of :**

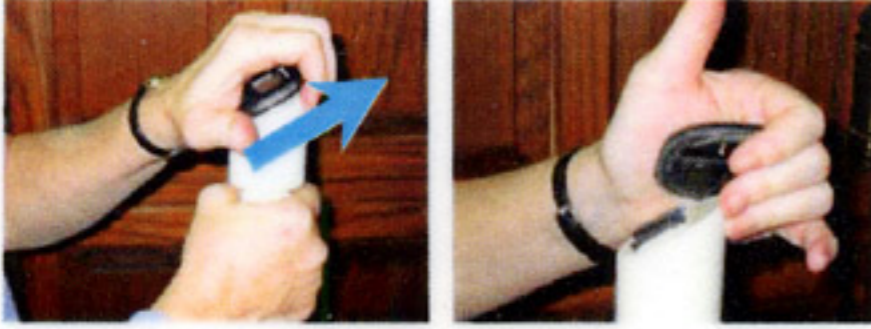
Don't use both thumbs to push off display.

Be sure the white end piece is securely snapped into place.



## Flow Probe FP101 & 201 (cont'd)

### Removing the Computer Display



1. Position the probe so that you are looking directly at the display.

Place one palm directly atop the display, and using the heel of that same hand, push up and outward to slide display off its guide track.

2. When replacing the display, line up the guide tracks beneath the display and pull down and forward until an audible click is heard, verifying that the contact points have engaged.



### Battery Replacement

1. Remove the computer display as directed above.

Use a small screwdriver to pop off the round compartment cover.



2. Replace the battery with the "+" side up. Batteries may be obtained from Global Water, or a local Radio Shack (part no: 675 HP).

**PLEASE NOTE: Before using the Flow Probe again, it MUST be re-calibrated.**

### Calibration

Enter Set-Up Mode by holding both buttons simultaneously for 8 seconds.

Toggle with the Left Button to choose between English ("mi") and Metric units ("km").

Push the Right Button to enter CAL mode. Then push the Left Button to scroll the value up or down (depending on direction of changing arrow).

For English units, set calibration to 33.31.

For Metric units, set calibration to 1603.

When completed, push Right Button repeatedly until display returns to Velocity ("V") Mode – now, it's ready to go.

"mi" : cal to 33.31

"km" : cal to 1603



### Moisture & Storage

**DO NOT SUBMERGE THE COMPUTER DISPLAY IN WATER.**

If the top end of the Flow Probe is accidentally submerged, remove the display, and the batteries, and allow to dry overnight in a warm place.

For longer life of the Flow Probe and its Storage Case:

Rinse the prop in clean water;

Blow on the prop to ensure it turns freely – remove any hair or strings from axle area;

Fully expand the shaft, then dry it and the prop housing before storing.



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