

# Quick Reference

## Flow Probe FP101 & 201

### Water Velocity Measurement

Maximum & Average Velocities Displayed Digitally  
In 8 Languages.



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



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

- The Flow Probe computer display uses **2 buttons** for normal operation:

- **Reset the computer display** by holding the top button down for 2 seconds. Instantaneous velocity is always displayed. Scroll through display modes with the bottom button to select Average or Maximum speed. Velocity is displayed in ft/sec or m/sec (Instantaneous velocity to nearest 0.5, Max to nearest 0.1, Avg to nearest 0.01).



- **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:

- Be sure the white end piece is securely snapped into place.
- While the top of the computer is water resistant, operation can be affected if water gets into the connectors that hold it to the probe. If the probe head gets wet, remove the white housing from the probe, separate the computer from the housing and take out the battery. Allow to dry completely.



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

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### Removing the Computer Display



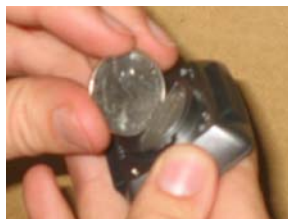
1. Turn the computer module counterclockwise 45 degrees and lift off.
2. When replacing the display, line up tabs on module with slots on housing and turn to the right until it snaps into place.

### Battery Replacement

1. Remove the computer module as described above and use a screwdriver or coin to turn the battery cover to the left.

2. Replace the battery with the "+" side up.

Batteries are type CR2032 and may be obtained from Global Water, or a local Radio Shack (part no: 23-162).



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

### Calibration Procedure:

After replacing battery, the computer will be in set mode. It can also be selected by following steps 6 and 7 below.



1. **Language:** Press the top button to select the language to be displayed then press the bottom button to accept.
2. **Units:** Press top button to switch between metric and English units, bottom to accept (display purposes only).
3. **Calibration:** Press bottom button to select a digit and the top button to advance numbers. **Set display to 0053.**
4. Press the right indented gray button on the bottom of the module labeled "S" to store selections.
5. Press the left indented gray button on the bottom of the module labeled "I,II" to change the upper right corner of the display from I to II.
6. Press the bottom button to select any display mode except CLOCK and TOTALODO.
7. Press the indented button labeled "S" for 3 seconds until display flashes.
8. Repeat steps 3 and 4 and **set display to 0016.**

### Changing Between FT/SEC and M/SEC:

When the upper right corner of the display reads I, the velocity is in ft/sec. If it reads II, the display is in m/sec. Change units by pressing the indented gray button on the bottom of the module labeled "I,II".

### Moisture & Storage

#### Do not submerge the computer module in water

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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