
AquaCount™

Operating Instructions

The AquaCount replaces the traditional headset and stopwatch combination used in Open Channel Flow measurements. This computer/calculator automates the tedious task of counting the revolutions of a Price AA, or similar flow meter, while keeping track of the elapsed time for the measurement. Once started, the AquaCount continuously displays the calculated mean velocity, elapsed time and count of revolutions until the measurement is completed.

Basic Operation

Press the ON key to turn on the AquaCount. The display will show introductory messages, indicating the model, manufacturer, and version. The third screen displays the default measurement setup.

Press the START/STOP key to begin a measurement. The unit will measure for a default time period of 40 seconds and then display the results screen. The results screen displays revolutions counted, elapsed time and calculated velocity. The default measurement time of 40 seconds can be changed as described in the Custom Settings section below.

Pressing the START/STOP key while the unit is measuring, stops the measurement, and displays the results screen.

Press the SELECT key to clear the results screen.

Turn the unit off by pressing the OFF key. We recommend turning the unit off at the end of each measurement session to make the battery last longer. All custom settings are lost when the AquaCount is turned off

Custom Settings

To change the type of meter, measurement time, or switch between the English and Metric units standards, repeatedly press the MODE key until the setting you wish to change is displayed. Next, repeatedly press the SELECT key until the desired option appears. Press the MODE key to enter your choice. The options for each setting are as follows:

Meter :	AA 1:1 -- Price AA with 1 to 1 ratio (default) AA5:1 Price AA with 5 to 1 ratio Pygmy -- miniature meter
Time:	40 seconds (default). Continuously press the SELECT key to change from a time between 1 and 99 seconds.
Standard:	SAE — English (default) SI Metric

Care and Maintenance

The AquaCount requires only the periodic replacement of the 9 volt battery. Clean the unit with a soft cloth and avoid abrasives that may scratch the display window. The instrument is weather resistant but not waterproof. If moisture gets inside the case, open the case by removing the screws on the back, rinse with clean water, and allow the unit to air dry.