



Stream Flow

Procedure with Vernier LabQuest:

- 1) Power up the LabQuest.
- 2) Plug the Flow Sensor into the LabQuest right away to ensure a warm up time of at least 5 minutes before sampling. **NOTE:** the sensor can be plugged into any channel.
- 3) Assemble the Flow Sensor by connecting the alternating black and white plastic rods together.
- 4) Submerge the entire propeller(facing up stream) into the stream; as long as the propeller is completely submerged you will obtain an accurate reading. Do not stick the rod so far in that the cords get wet. It is best to get a reading as close to the middle of the stream as possible, keep in mind the safety of the students and only take a sample that is no more than knee deep.
- 5) In order to change the unit of measurement (m/s and f/s) press the screen, using the stylus, in the box that contains the flow reading. This will give you a drop down menu and allow you to change between units of measurement.
- 6) Once the reading has become steady and you have properly recorded data, carefully disassemble the pieces of the Flow Sensor and you are ready for cleanup.