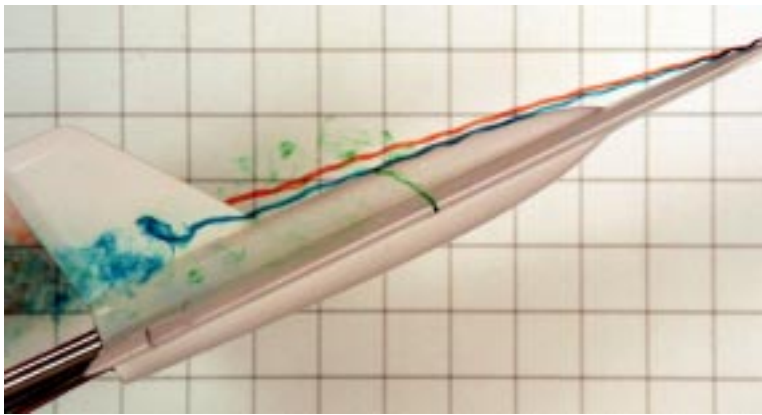


1-COMPONENT FORCE BALANCE

For Model 0710 Water Tunnel

Rolling Hills Research Corporation is pleased to introduce the latest complement to the Model 0710 University Desktop Water Tunnel, the new 1-component force balance. The water tunnel is an excellent tool for teaching students about aerodynamics, and the flow visualization is outstanding. Now, using the new 1-component force balance, students can measure and record the forces on a vehicle while simultaneously observing the flow patterns which generate them.



The balance is used in conjunction with the sting mounted model support, and can be used with any model that works with the sting mount. The balance system includes the following components:

1. 1-component semi-conductor strain gage balance
2. 14-bit USB data acquisition module for PC
3. Temperature compensation and balancing circuit with excitation source
4. RHRC's acquisition and processing software

The Rolling Hills Research Corporation software provides not only an excellent learning tool, but a very functional laboratory data acquisition and processing system. The software is based on National Instruments' LabVIEW API, and provides an easy to use, graphical interface. The software guides the user with an intuitive layout through important functions such as balance calibration, weight tares, up-zeroes, data recording, and real-time balance monitoring. The recorded data is stored in text files that can be easily read by most commercial data plotting software.

Special Educational Discount Price: \$5,495

1-Component Force Balance
Model 0710 Water Tunnel
5° Span Delta Wing Model
V = 5 in/sec

