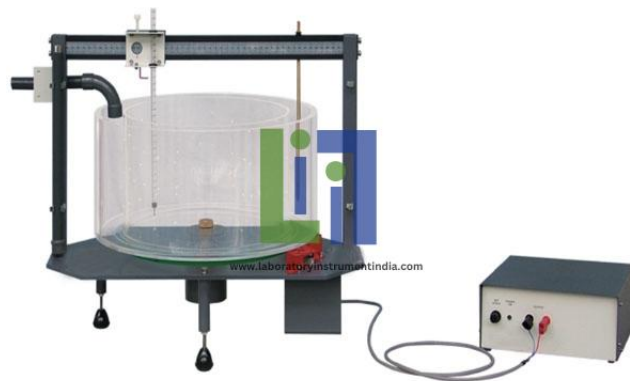




Email : sales@laboratoryinstrumentindia.com

Product Name :
Vortex Apparatus

Product Code :
LBNY-0005-1030008



Description :

The product consists of a transparent vessel on a support frame, which mounts on a DigitalHydraulic Bench. A low-voltage, variable-speed motor rotates the vessel about its vertical axis. The Vortex Apparatus enables students to produce both free and forced vortices, and measure the vortex water surface profile. To produce a forced vortex, students add water to the rotating vessel until it is about half full. A forced vortex forms. After a few minutes the vortex becomes constant, and students can measure the surface profile using the traverse probe. A speed-control unit (included), sited away from the main apparatus, controls the speed of rotation. Students can also measure distribution of total head by replacing the traverse probe with a Pitot tube. The traverse probe can move both horizontally and vertically, and both axes have linear scales.

Technical Specification :

Transparent cylinder:
Approximately 380 mm wide x 180 mm deep
Net dimensions and weights:
Vortex vessel: 650 mm x 400 mm x 600 mm and 20 kg
Speed controller: 250 mm x 270 mm x 110 mm and 3.5 kg
Water supply:
Up to 8 litres a minute
Approximate packed dimensions and weights:
0.3 m³ and 33 kg
Instrumentation:
Traverse probe and Pitot tube with scales calibrated in millimeters
Perforated cylinder:

Approximately 286 mm wide x 180 mm deep.



Laboratory Instrument India