

Product Name :
Hydrogen Bubble Flow Visualisation System

Product Code :
ALABS-A104-547

ALTEC™

Description :

Hydrogen Bubble Flow Visualisation System

- A compact, bench mounted, self- contained unit used for flow visualisation studies using water as the working fluid.
- The unit comprises a flow tank incorporating the working section and pumped recirculation system, plus a separate electronic control console.
- A low voltage variable speed pump with a unique fluid-drive unit is located under the working section.
- The electronic control console incorporates manual controls and a 4 line, 20 digit LCD that displays the relevant operating parameters.
- Flow patterns in the water are indicated by small hydrogen bubbles that are generated by an interchangeable fine platinum/ iridium wire cathode.
- A low voltage light source illuminates the hydrogen bubbles in the working section.
- Flow visualisation studies can be carried out using plain tap water without the need for additives.

- Optional camera mount allows still camera, video camera or web-cam
- (not supplied) to record the flow patterns.
- The following models, supplied for flow visualization studies, are made of clear polished acrylic and supplied in a protective container:

- One pair 330mm long straight guides
- One pair spacer blocks for straight guides (grey PVC)
- One pair blocks with radiused ends
- Four cylinders 6mm, 12mm, 19mm and 25mm diameter
- One aerofoil section
- One flat plate with radiused end
- One rectangular block 70mm x 40mm x 25mm
- One curved plate
- A toolkit is supplied
- A user instruction manual provides installation, commissioning, maintenance data, experimental information and suggested flow visualisation demonstrations.

Technical Specification:

Value

Power: 250W

on and off periods

Light intensity LEDs

3500 lumens

and 75mm lengths

Power (capacity):

Core generator

range:

Working section:

width: 285mm

depth: 36mm



Equipments Exporters

Website: www.equipmentsexporters.com, **Email:** sales@equipmentsexporters.com

Address: 75, Lajpat Nagar-IV, New Delhi-110024 **Phone:** +91-9311469084