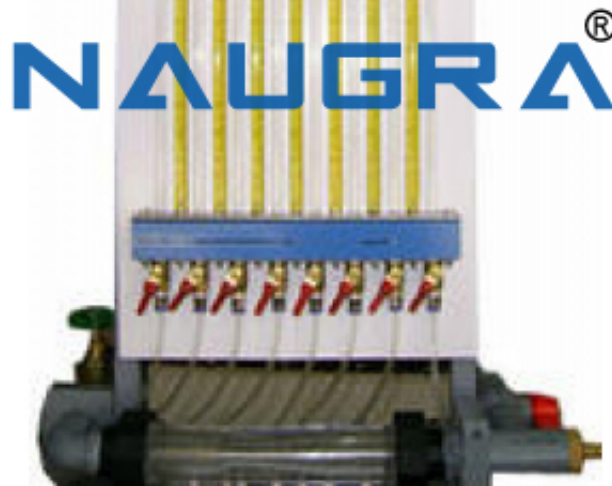


Product Name :
Bernoullis Theorem Demonstration

Product Code :
NEGEMG132



Description :

Bernoullis Theorem Demonstration

The Bernoulli's Theorem Demonstration accessory illustrates those circumstances to which Bernoulli's Theorem may be applied. Also, separately, why in other circumstances the theorem gives an inadequate description of the fluid behavior. The setup consists of a venturi tube manufactured from clear acrylic with 7 pressure measuring points across the length. These tapings are connected to a manometer bank for measurement of static head at each point. Flow measurement using venturi meter can be studied & the discharge coefficient can be determined.

Experimental Capabilities -

- Demonstrating Bernoulli's Theorem and its limitations.
- Directly measuring the static and total head distribution along a Venturi tube.

- Determining the meter coefficient at various flow rates.

Specifications:

- Max. angle of heel: $\pm 13^\circ$
- Manometer range: 0 to 300mm
- Number of manometer tubes: 8
- Throat diameter: 10.0mm
- Upstream diameter: 25.0mm
- Upstream taper: 14°
- Downstream taper: 21°

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