

Product Name :
Verification of Bernoullis Theorem

Product Code :
NLAB-ENGINEERINGLB20001



Description :

Verification of Bernoullis Theorem

Technical Specification :

DESCRIPTION:-

The unit consists of a rectangular transparent flow section through which water is to be flown the velocity of water is changes as cross sectional area of channel changes. The changes of head can be measured with manometric tube connected at various sockets, along with the length of channel. Thus the Bernoulli's theorem can be verified by calculating the energy & head of water at different section.

FEATURES:-

- Steady flow arrangement.
- Transparent flow section.
- Independent measurement of pressure head.
- Variable flow rate arrangement.
- Self sufficient unit.

RANGE OF EXPERIMENT:-

- Bernoulli's theorem can be verified.

SPECIFICATION:-

- Flow channel: - transparent acrylic.
 - a) Width of Channel = 0.05 m
 - b) Length of Chanel = 0.7 m
- Flow control valve to change graph.
- Transparent acrylic tubes and scales fixed over the flow channel to measure head- 11Nos. or 9Nos.
- Measuring tank- 295 X 345 X 345 mm
- Sump tank- 900 X 350 X 350 mm
- Usha or Crompton Greaves motor for recalculating type unit.- 1H.P. Self Priming
- Stop clock.

SERVICE REQUIRED:-

- Suitable Water supply.
- Suitable floor space to mount apparatus.
- 15 amps Single Phase Electrical Connection.

Naugralabequipments

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