



Flow Measurement



Description

The set up is designed to study following different type of units used for flow measurement.

- 1) Venturimeter
- 2) Orifice meter
- 3) Pitot tube
- 4) Rotameter
- 5) Water meter

Setup consists of flow measurement units under study, supply tank, Submersible pump for closed loop water circulation, acrylic measuring tank with graduated scale and differential pressure measuring arrangement mounted on stand alone structure.

Features

- Closed loop water circulation
- Acrylic venturimeter, orificemeter, pitot tube
- MS Excel sample calculatiuon
- Compact and simple to operate

Range of experiments

- To calculate coefficient of discharge of venturi meter
- To calculate coefficient of discharge of orifice meter
- To calculate coefficient of discharge of Pitot tube
- To calibrate and find accuracy of rotameter
- To find accuracy of water meter

