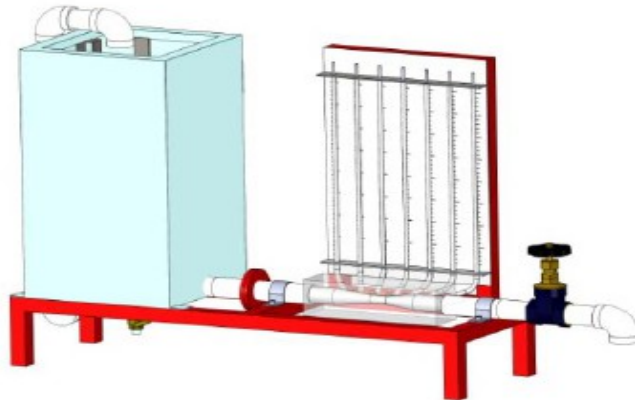


Order Code :21224945.3.2  
Name :Venturi Meter



### Specifications:-

- **Description** :Allows users to see and measure the complete static head distribution along a horizontal Venture tube.The present set up has a venturi meter section on which 11 pressure tapings are provided to measure the head difference at different positions of venture. Flow meters are provided to measure the flow rates. The present setup has all the required things for operation only water and electrical supply is required.
- **Technical Details**
  - Max Flow rate : 27 LPM
  - Venturi meter : Body Material Acrylic,
  - Inlet dia: 26mm±0.05mm, Throat: 16mm±0.05mm, Inside dia. of venture outlet 26mm±0.05mm Upstream: 22.6°, Downstream: 6.4°
  - Pressure tapings : 11
  - Dia. Ratio : 0.615
  - Manometric scale : In millimeters
  - Manometer : Tube range: 0-400mm
  - Accessories : Hand Pump, Outlet Tubing, Pipe Clips.
  - Digital Hydraulic bench will be provided
  - Electric submersible Pump, Motor power : 200 watts
  - Pump Capacity : 55 LPM at 1.5 m head
  - Flow Measurement : Electronic flow meter and digital display for accurate measurements and quicker experiments.  
Non contact inductive flow meter to for outlet flow measurement (LPS and LPM display, resolution: 0.001 LPS and 0.1 LPM)
  - Sump Tank : Capacity 100 - 160 Ltrs. with level indicator
  - Stop Watch : Electronic.
  - Pressure measurement : Maximum 450mBar at working surface height.
  - Control Panel Comprises of :  
Flow rate measurement : By flow meter  
Under voltage and over current protection.  
Standard make On/Off Switch, Mains Indicator, etc.
  - Tanks and Top Tray will be made of light weight fiberglass/ SS 304 Grade.
  - A small recess will be provided at top tray with drain to hold a little amount of water.
  - Four wheels (two lockable) will be provided for mobility of equipment.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*

### **TESCA TECHNOLOGIES PVT. LTD.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302029, Rajasthan, India.  
Ph/ Fax: 91-141-2771791, 2771792; Email: [info@tesca.in](mailto:info@tesca.in), [tesca.technologies@gmail.com](mailto:tesca.technologies@gmail.com)  
Website: [www.tescaglobal.com](http://www.tescaglobal.com)

- An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.
- **Experimentation/Learning Objectives**
- Measurement of static head distribution along venturi tube.
- To compare experimental and theoretical results.
- To calculate coefficient of discharge for venturi meter.
- **Utilities Required**
- Electricity Supply : 220 VAC, 50 Hz, 1 Phase, 0.5 kW, 5-15 Amp combined socket with proper earth connection.
- Water Supply (Initial fill).
- Floor Drain required.
- Floor Area Required: 1 m x 1 m.

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*

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Website: [www.tescaglobal.com](http://www.tescaglobal.com)