

## Venturimeter & Orifice Meter Test Rig



**Product Categories:** [Engineering Equipment](#), [Hydraulic Lab](#)

**Product Page:**

<https://www.labappara.com/product/venturimeter-orifice-meter-test-ring-3/>

### Product Description

#### Venturimeter & Orifice Meter Test Rig

##### DESCRIPTION:

The Venturi meter & Orifice meter Apparatus is designed for calibration of water flow meters. Set up consists of a venturi meter & orifice meter clear acrylic fitted in pipe. Each flow meter has two pressure ports which can be connected to a mercury manometer to measure pressure difference at inlet & throat. This pressure difference is used to calculate the water flow rate theoretically. Water is supplied from the sump tank by centrifugal pump & measuring tank is provided to measure the water flow rate. The entire setup is mounted on a strong steel frame. By comparing the theoretical & measured flow rate, the discharge coefficient for flowmeter can be determined.

##### TECHNICAL SPECIFICATIONS:

**Venrurimeter:** Convergent – Divergent type, Inlet 1" BSP, Throat Diameter 16 mm

**Orificemeter:** Inlet 1" BSP, Throat Diameter 15 mm

**Manometer:** U tube mercury manometer, Range: 0 – 300 mm

**Sump Tank:** 100 Ltrs, made in PVC

**Measuring Tank:** 32 Ltrs, Made in PVC, with level indicator

**Pump:** Monoblock Centrifugal Pump, 230 V AC

**Piping:** Fixed PVC piping with necessary valves

**Base Frame:** Made of M.S. Square Tubes & Sheets, Welded & Powder coated.

**Features:**

Durable performance

Easy to install

Accurate dimension