

Features:

- Pitot Tube: Material Copper/SS of compatible size
- Test Section
- Fitted with Vernier Scale
- Material Clear Acrylic.

Tesca Pitot Static Tube Apparatus is used to measure the local velocity at a given point in the flow stress. A pitot tube of standard design made of copper/SS is supplied and is fixed below the Vernier scale. The Vernier scale is capable of measuring the position of Pitot Tube in a transparent pipe section. The pipe has a flow control valve to regulate the flow. A U-tube manometer is provided to determine the velocity head. Set-up is a self-contained water re-circulating unit, provided by Tesca as Hydraulic Bench 32096, provided with a sump tank and a centrifugal pump, etc. Flow control valves and by-pass valves are fitted in the water line to conduct the experiment on different flow rates. A flow rate of water is measured with the help of measuring tank and stopwatch.



Technical Specifications:

- Pitot Tube: Material Copper / SS of compatible size fitted with Vernier Scale
- Test Section: Material Clear Acrylic, Compatible to 1" Dia. Pipe
- StopWatch: Electronic

Experiments:

- To find the point velocity at the center of a tube for different flow rates of water and calibrate the Pitot tube
- To plot velocity profile across the cross-section of the pipe

Requirements:

- Water Supply & Drain
- Electricity Supply: Single Phase, 220 VAC, 0.5 kW
- Tesca Hydraulic Bench 32097 or equivalent hydraulic bench.



Note: Specifications are subject to change.

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