

**Product Name :**  
Pitot Static Tube Apparatus

**Product Code :**  
DM845



**Description :**

Pitot Static Tube Apparatus

**Technical Specification :**

A Pitot Tube 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 Vernier scale. The Vernier scale is capable to measure the position of Pitot Tube in 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. Present set-up is self-contained water re-circulating unit, provided with a sump tank and a centrifugal pump etc.

Flow control valve and by-pass valve are fitted in water line to conduct the experiment on different flow rates. Flow rate of water is measured with the help of measuring tank and stopwatch.

**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 pipe

**Utilities Required**

Electric supply 0.5 kW, 220V AC, Single Phase

Water supply Tap water connection "BSP Distilled water @ 60 liters (optional)

Floor Area with Drain facility

## Naugralabequipments

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