

HYD-005 PITOT TUBE APPARATUS



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Calculate the Velocity of flowing fluid through the pipe.
2. To Calculate the coefficient of pitot tube.

TECHNICAL DESCRIPTION :

The experimental unit consists of a pitot tube inserted in the pipe. A water sump tank with a self-priming monoblock centrifugal pump is provided. The flow of water can be controlled by a valve. A measuring tank is provided for measurement of discharge of water through the section. The differential pressure across the pitot tube is measured by using a U-tube manometer.

This system is a complete closed circuit type and is easy to move due to wheels.

DIMENSIONS AND WEIGHT :

Size : 1.5 m.(L) x 0.7 m(W) X 1.2m (H)

Weight : Approx. 40 Kg

SERVICE REQUIRED :

Power Supply : 230v, AC , Single Phase , 50HZ

Water : 80 ltr

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual