

## **HYD-010**     **PIPE IN SERIES APPARATUS**



### **RANGE OF EXPERIMENTS TO BE CARRIED OUT:**

1. To Calculate the friction losses through the pipes connected in series.
2. To Calculate the friction losses through each individual pipe connected in series.

### **TECHNICAL DESCRIPTION:**

The experimental unit consist of three different diameter pipes connected in series. a water sump tank with self-priming monoblock centrifugal pump. 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 frictional loss along the length of pipe is measured by using UTubeManometer.

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

**DIMENSIONS AND WEIGHT:**

Size :2 m.(L)x 0.7 m(W) X 1.2m (H)

Weight : Approx.60 Kg

**SERVICE REQUIRED :**

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

Water : 80 ltr

**SCOPE OF DELIVERY:**

1. Experimental Setup
2. Instructional Manual