

HYD-007 ORIFICEMETER APPARATUS



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Calculate the Orificemeter coefficient of given Orificemeter and compare with the reported value in literature.
2. To predict the flow rate by using average value of coefficient of Orificemeter

TECHNICAL DESCRIPTION :

The experimental unit consist of Orificemeter fixed in the pipe. 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 Differential Pressure across the Orificemeter is measured by using U tube Manometer.

This system is complete closed circuit type and 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