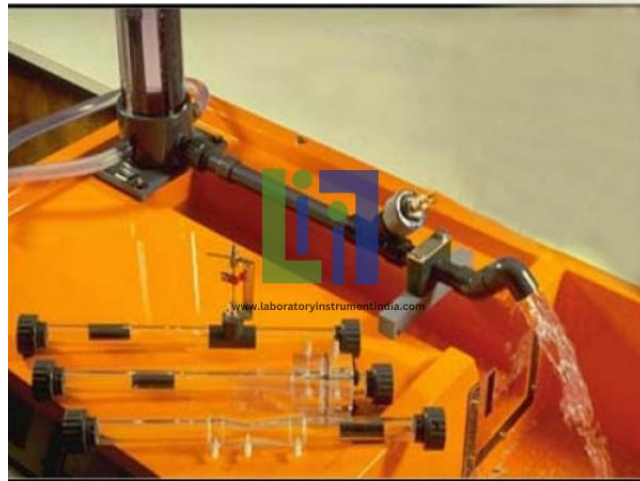




Email : sales@laboratoryinstrumentindia.com

Product Name :
Water Flow Measurement

Product Code :
LBNY-0005-15800021



Description :

Four flowmeters are described below which operate on the principle of either head loss, impulse or velocity. A fifth flowmeter, Rotameter working on the variable area principle, is described separately in the Hydraulics Bench leaflet. The measurement of flow rate is a fundamental topic to which a considerable degree of attention has been paid with the result that there are flow meters available using a wide variety of principles. Chosen five types of flowmeter, which are all in common industrial use, to provide experiments in comparative flow measurement.

Experimental Capabilities:

Establishment of the relationship that flow is proportional to the square root of the pressure drop between entry and the venturi throat.

Observation of degree of pressure recovery at the end of the divergent section of the Venturi Tube.

Demonstration of use of Venturi Tube as a water flow meter and determination of the flow coefficient.

Technical Specification :

Accessories Required:

Variable Head Outlet Tank

Constant Head Inlet Tank

Feedblock

Manometer Board

Pump Speed Display (optional)

Rotameter (where direct flow readout is required) - optional

DIMENSIONS AND WEIGHTS:

Length: 75mm
Width: 75mm
Height: 500mm
Nett weight: 1kg.



Laboratory Instrument India