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Product Name :
Principles Of Hydraulics

Product Code :
LBNY-0005-10300092



Description :

Water flows through a Venturi tube, an orifice, a bend, or a kink. During this process the pressure loss is measured and compared with the flow through a straight pipe. On flumes experiments can be performed on the open channel and on a channel with weir structures. The Principles of Hydraulics is part of a series of units that enable experiments to be performed on flow processes with the aid of a computer. Here several areas of incompressible flows can be investigated. The Data Logging Unit is necessary for the operation of the Computer Linked Hydraulics Bench. If power data is to be displayed, the Digital Power Meter is required. After the recording of a pump characteristic curve, experiments on the topics of pipe flow and flow in open flumes can be performed. Two different weir structures are supplied.

Technical Specification :

Bench on several areas of incompressible flow
Lxwxh 870x435x890mm, 45kg
Venturi nozzle
Sharp edged overshoot weir
Wide crested weir
Pressure losses at bends and kinks
Orifice
Channel: lwxh 500x25x210mm.

Technical Data:

Pump
Pressure measurement 0...600mbar

3 settings, can be switched
Maximum flow rate 27ltr/min
System requirements, software Win 95/98
Rounded inlet in pipe sections (except inlet to "Bend and Elbow")
Min. Venturi diameter: 8mm
Min. orifice diameter: 8mm
Dimensions and Weight:
Lxwxh : 870 x 435 x 890 mm
Weight empty: 45 kg.



Laboratory Instrument India