

Product Name :
Flow Meter Demonstration

Product Code :
NLAB-ENGINEERINGLB19004



Description :

Flow Meter Demonstration

Technical Specification :

Lab Equipments Manufacturer, Suppliers & Exporters

- [1] Self-contained apparatus to demonstrate the characteristics of flowmeters used in measurement of water flow through pipes or open channels. [2] Special features:
- service module with reservoir, volumetric measuring tank and pump
 - reference turbine flowmeter
 - metering devices available in various combinations to suit course work.
- [3] Selection from fourteen devices:
- Venturi
 - orifice
 - Pitot
 - shunt gapmeter
 - swinging flap
 - volumetric rotary piston
 - electromagnetic
 - helical rotary
 - inferential multistream
 - current meter
 - broad crested weir
 - Crump weir
 - 'H' flume
 - Washington flume
- [4] Quick and easy removal of test meters for evaluation and inspection
- [5] Air entrainment facility
- [6] Meters can be used independently to support research or student

project work

[7] User instruction manual provides installation, commissioning and maintenance data, together with project exercises.

[8] Demonstration capabilities

• Comparing the use, application and limitations of various types of flowmeter

• Comparing the accuracy of flowmeter readings

• Considering the implications on flowmeter selection of performance, accuracy, convenience, cost and head loss

• Understanding the principles on which different types of flowmeter are based

• Relating pressure drop across a flowmeter to flow rate

• Using manometers to measure pressure drop

• Investigating the effect of air in the hydraulic stream on flowmeter performance

• Understanding the application of Bernoulli's Theorem

BB05/8

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003