

**Description:-**

- The Flow Meter Demonstration Unit is a self-contained facility to demonstrate the important characteristics of flow meters.
- The main elements are a service module and flow meter support stand.
- A self-priming centrifugal pump draws water from the sump tank in the service module and delivers it to a flow meter test pipe.
- Industrial type flow meters mounted in test sections can be fitted into the test pipe quickly and easily.
- These meters have been chosen to give a variety of different metering principles and degrees of sophistication and accuracy.
- Some of the meters are calibrated directly in units of flow, whilst others involve the use of calibration charts.
- The pressure drop across each of the flow meters can be measured by using either the one meter pressurized water manometer or the 0.5 meter mercury manometer supplied.
- Ported manometer connection valves ensure rapid bleeding of all manometer pipe work.
- A facility exists to admit air into the hydraulic stream to demonstrate the effect on the meter's accuracy.
- The discharge from the test section is controllable and is fed through a diffuser into the channel of the service module.

**Technical Specification:-**

- Maximum flow rate: 2.3 liters/s
- Reservoir capacity: 140 liters (approx.)
- Volumetric tank capacity: 40 liters (approx.)

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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- Pump motor rating: 0.55kW
- A self-contained apparatus to demonstrate the characteristics of flow meters used in measurement of water flow through pipes or open channels
- Service module with reservoir, volumetric measuring tank and pump
- Dimension: 4'x2'x5' (ft)

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