

MODEL: BSP11

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# FLOW MEASUREMENT TRAINER



## **F**EATURES

- Comprehensive, sturdy design
- Simple, Smooth and silent operation
- Compact and lab model unit

#### **DESCRIPTION**

Various types of flow sensor, transmitter can be studied. An orifice meter or a venturi meter is fitted into two parallel line. A Rotameter is provided for visual flow measurement.

Tapping are taken at a fixed distances on the Orifice/Venturi for the differential pressure measurement on a U tube manometer. Optionally a DPT can be connected and the flow is digitally displayed.

Any different types of sensors/transmitters can be installed to suit customer requirement.

Results obtained from various flow meters are compared and studied.

# INSTRUCTION MANUAL

Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual



#### LIST OF EXPERIMENT

- Demonstration of the use of venturi\* tube or Orifice plate\* and Determination of flow coefficient
- 2. Study of variable area flow meters\*
- 3. Calibration of flow metes
- 4. Comparison of different type of flow meters\*
- 5. Comparisons of pressure drop across Venturi meter and Orifice meter\*

## **S**YSTEM COMPONENTS

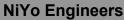
- 1. Venturi meter or Orifice meter with tapping provided at distances D and D/2
- 2. Rotameter
- 3. Pipes and Fittings: Fusion PPR type
- 4. Sump tank
- 5. Measuring tank
- 6. Stop watch

## **OPTIONAL ADDITIONAL**

- 1. DPT with Digital Indicator
- 2. Magnetic Flow meter with Digital Indicator
- 3. Wheel Flow meter with Digital Indicator

# **SERVICES REQUIRED**

- 1. Electric supply
- 2. Water supply and drainage system.



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<sup>\*</sup>Available depending on type of sensors ordered