

FLOW MEASUREMENT TRAINER

MODEL: BSP11



FEATURES

- 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

1. 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*

**Available depending on type of sensors ordered*

SYSTEM 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.

NiYo Engineers

Unit 1B, Devgiri Industrial Estate, S. No. 17/1B Plot No. 14, Kothrud, Pune 411 029
INDIA, Tel-91 20 2546 5004, 2546 8051, 2546 7296 Telefax - 91 20 2546 8051
e-mail- sales@niyoindia.com Web: www.niyoindia.com



- (1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- (2) Photographs are indicative only.