



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Piping Loss Apparatus Large

**Product Code :**  
LBNY-0005-10300065



#### **Description :**

The Piping Loss Apparatus Large is intended to be used with a Hydraulic Bench or an outside water supply. Friction loss is measured by a pressure drop and coefficient of discharge is determined from a pressure drop and a flow rate. Piping Loss Apparatus Large is a comprehensive unit for studying the friction losses in pipes, pipe fittings, and valves and to determine coefficients of discharge for primary flow measuring devices at various flow rates. The pressure drop is measured by differential pressure using manometers. Pressure tapping is done by valves with quick connection. All pressure taps are connected by flexible hoses to a set of specially arranged manifolds such that differential pressure across any component can be measured simply by opening valves without removing the hoses. All friction loss components and the flow measuring devices are arranged on a water proof panel which is attached to a floor standing steel frame. Flow rate is obtained from a water meter and a stop watch.

#### **Technical Specification :**

##### **Experiments:**

Friction losses in straight pipes at various flow rates.

Friction losses in primary flow measuring devices and comparison of coefficients of discharge at various flow rates.

Friction losses in pipe fittings, valves, sudden expansion and contraction at various flow rates.

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