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**Product Name :**  
Study of Pressure Measurement

**Product Code :**  
LBNY-0005-2020008



#### **Description :**

Sump tank and a centrifugal pump etc. Flow control valve and by-pass valve are fitted in water line. The set-up consists of different pressure measurement devices fitted in a pipe line, in which an Orifice is fitted to create the pressure difference.

#### **Learning Objects/Experimentation:**

To measure the pressure and pressure difference by pressure gauge, single column manometer, U Tube manometer & Inclined tube manometer.v

To demonstrate the working of different pressure measuring devices.

#### **Requirement For Operation:**

Water Supply (Initial fill)

Floor Drain required.

Electricity Supply: Single phase, 220 VAC, 50 Hz, 5-15 amp.

Combined socket with earth connection.

Mercury (Hg) for manometer (750 gm).

Floor Area Required: 1.5 m x 0.75 m.

#### **Technical Specification :**

Sensitive Manometer. : Inclined Tube Type

Pressure Gauge. : Bourdon Type

Sump Tank: Capacity 60 Ltrs.

Water Circulation: FHP Pump, Champion makes.

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Single Well Manometer: Single Tube Type.

Differential Manometer: U Tube Type.

Control Panel Comprises of:

Instruction Manual: An ENGLISH instruction manual will be provided along With the Apparatus Tanks will be made of Stainless Steel.

The whole set-up is well designed and arranged in a good quality painted structure.

Standard make On/Off Switch, Mains Indicator, etc.



**Laboratory Instrument India**