

PRESSURE MEASUREMENT APPARATUS (EE-1544)

The apparatus consists of One pipe line contain an Orifice Meter. The pressure tapings from the orifice are taken to different pressure measuring devices to measure pressure. In Orifice the flow can also be regulated by the bypass valve provided on the downstream of water. Present set-up is self-contained water re-circulating unit, provided with a sump tank and a centrifugal pump etc. flow control valve and by-pass valve are fitted in water line to conduct the experiment on different flow rates.

SCOPE OF EXPERIMENTATIONS:

- To Study about different types of pressure measurement devices.

UTILITIES REQUIRED:

- Water Supply.
- Drain
- Electricity 0.5Kw, 220VAC, Single Phase.
- Floor Area 2.5x1.75m.

TECHNICAL DETAILS:

- **Sump Tank** : Capacity 70 Ltrs. .(MOC SS)
- **Pump**: Centrifugal Type 0.5 Hp standard make
- **Devices**
 - **U Tube manometer**
 - **Inverted manometer**
 - **Inclined manometer**
 - **Pressure gauge**
- **Control Panel Comprised of :**
 - Standard make On/Off Switch, Mains Indicator, etc.
 - The whole set-up is well designed and arranged in a good quality painted structure.

