

DEAD WEIGHT PRESSURE GAUGE TESTER (EE-1689)

The equipment is designed and fabricates to calibrate the pressure gauge. It consists of a cylinder piston arrangement made up of copper. It has one platform to apply load over it. At different load condition we can compare the actual pressure with the theoretical one. The present setup consists up a compactable fluid flow (SAE-40) system to maintain pressure inside the cylinder.

SCOPE OF THE EXPERIMENT

- To study about the pressure measurement.
- To calibrate the B-Tube pressure gauge.

UTILITIES REQUIRED

- Oil SAE 40
- Table for set-up support
- Floor Area 0.5 x 0.5 m square



TECHNICAL DETAILS

- PIPING : Material Copper
- Pressure Measurement : Using B-Tube pressure gauge (range 0 – 16 Kg/] cm²)
- Different loads will be supplied with this equipment to check pressure by applying load over platform.

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