

**Product Name :**

Dead Weight Pressure Gauge Calibrator

**Product Code :**

SLE/MCE/34



## Description :

### Features:

- A bench top unit comprising a simple Deadweight Pressure Calibrator with weights.
- Pressure sensors, manometers or Bourdon gauges other than those supplied can be calibrated.
- The pressure in the system is produced by means of a capstan-operated hydraulic ram, balanced by deadweight acting upon a piston of known area.
- The pressure developed is applied to the gauge that is to be calibrated.
- A spirit level and adjustable feet are provided to enable the operator to level the instrument.
- A flotation indicator mounted on the top plate removes the guesswork when floating the piston.
- The direct measurement of pressure ( $p=F/A$ ).
- Masses added are proportional to the target pressure.
- Dual pistons enable calibration over a wide range of pressures.
- Precision machined piston and cylinder with leveling screws.
- Bourdon gauge with inlet and outlet valves.
- Calibration of pressure gauges by deadweight method to accuracy better than 0.025% of reading.

### Specification:

- **Range:** 20 kNm<sup>-2</sup> to 200 kNm<sup>-2</sup>
- **Dimension:** 450-x400 x 300 mm
- **Weight:** 30kg
- **Calibration gauges :** 1-1,200
- **Bar range :**  $\pm 0.025\%$  of reading.
- Includes carrying case and weights.
- Minimum standard weight increment is 0.05 bars.
- Oil is used as the hydraulic fluid.
- Portable, self-contained deadweight precision pressure gauge calibrator.

Contact Science Lab for your Educational School Science Lab Equipments. We are best physics lab equipment supplier, physics lab equipment suppliers in ambala, physics lab equipments manufacturers, physics lab equipments suppliers, physics labware, school educational equipments.