

Product Name :
Precision Pressure Gauge Calibrator**Product Code :**
ALABS-A43-065**Description :****Precision Pressure Gauge Calibrator**

- Portable, self-contained dead weight precision pressure gauge calibrator.
- Calibrates gauges 1-300 bar range to $\pm 0.015\%$ of reading.
- Supplied complete with laboratory calibration certificate.
- Includes carrying case and weights.
- Minimum standard weight increment is 0.05bar.

Description:

Deadweight testers are the basic primary standard used both world-wide for the accurate calibration of pressure gauges, pressure transducers etc.

The equipment is self-contained and portable, so it may be used in lecture theatre demonstrations or as a

master calibrator for the laboratory.

The instrument combines a low and high pressure range provided by two pistons of different effective area.

Calibration is accurate to within $\pm 0.015\%$ of reading. A laboratory calibration certificate is supplied for each piston together with a traceable certificate of overall accuracy.

The pressure in the system is produced by means of a capstan operated hydraulic ram, balanced by a dead weight acting upon a piston of known area. Oil is used as the hydraulic fluid.

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 guess work when floating the piston.

The instrument is supplied complete with necessary weights and a fitted carrying case. 1/8", 1/4", 3/8", 1/2" BSP and NPT female adaptors are included together with spare seals and a quantity of oil. (Gauge not supplied).



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