

Product Name :
Calibration Jig for Pressure Transducer Dead Weight Type

Product Code :
CHINAELABC2690086



Description :

Calibration Equipment - Calibration Jig for Pressure Transducer Dead Weight Type

Technical Specification :

Dead Weight Pressure Gauge Testers are used for calibrating and standardizing pressure gauges and pressure transducers upto a pressure of 1000 bar (kg/sq.cm) Dead Weight Pressure Gauge Testers are so designed and manufactured that extremely small variations and very small pressures can be measured with great accuracy i.e. upto $\pm 0.1\%$ or better. The standardizing pressure is developed by loading with standardized weights a vertically arranged ram which works in a cylinder filled with oil.. This cylinder is connected to an oil reservoir through an isolating valve. A priming pump, a pressure pump, pressure gauge adaptors etc. are also connected to the cylinder. A set of standardized weights, for the testing range of the tester, is supplied with each instrument. A set of adaptors for different sizes of pressure gauge threads is also provided along with a set of spanners, a needle puller and a screw driver.

Dead Weight Pressure Gauges Testers are offered in four models.

Range (bar)

10 0.5 – 50

5.0 – 750

Lever Type

This is very sensitive and useful for calibration of load measuring instruments like proving ring/ load cells up to maximum capacity of 2000 kg. It is Multiple Lever Loading Device, designed on a standard lever ratio, loads being given through standard dead weights. A worm gear attachment, operated through a lead screw, always keeps the loading beam in a horizontal position. It has an accuracy better than $\pm 0.1\%$ Calibration jigs are available in three different capacities.

Capacity

0-500kgf x 10 kgf.

0-1000kgf x10 kgf

0-2000kgf x10 kgf

Hydraulic Type

It is very simple in design and work on similar principle as that of a hydraulic press. It is a dead weight type calibration system consisting of friction free, gland less hydraulic ram, pressurised through very accurate weight system. The overall accuracy of the unit is $\pm 0.3\%$. Models are available from 20kN to 2000kN.

Capacity

55 5-50kN

0-500 kN

0-1000 kN



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