Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Dead Weight Pressure Gauge Calibrator

Product Code :

SLE/MCE/34



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Description :

Dead Weight Pressure Gauge Calibrator (Product Code: SLE/MCE/34) is a portable deadweight tester used to calibrate pressure gauges, sensors and manometers by the direct p = F/A method in fluid mechanics and instrumentation laboratories. A capstan-operated hydraulic ram, balanced by weights acting on a piston of known area, generates pressures from 20 to 200 kN/m² with calibration accuracy better than 0.025% of reading. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering lab equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Pressure range	20 kN/m² to 200 kN/m²
Calibration accuracy	Better than 0.025% of reading (deadweight method)
Minimum standard weight increment	0.05 bar
Pistons	Dual pistons for calibration over a wide range of pressures; precision-machined piston and cylinder
Pressure generation	Capstan-operated hydraulic ram, balanced by deadweight acting on a piston of known area
Hydraulic fluid	Oil
Gauge fitted	Bourdon gauge with inlet and outlet valves
Gauges that can be calibrated	Pressure sensors, manometers or Bourdon gauges other than those supplied
Levelling	Spirit level, adjustable feet and levelling screws
Float indication	Flotation indicator mounted on the top plate
Dimensions	450 x 400 x 300 mm
Weight	30 kg
Included	Carrying case and weights
Format	Portable, self-contained bench-top unit
Product code	SLE/MCE/34
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Dead Weight Pressure Gauge Calibrator Used For?

The calibrator shows students the most direct definition of pressure: force divided by area. Mass
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