

Product Name :
Advanced Beam Testing Apparatus

Product Code :
NLAB-ENGINEERINGLB26005



Description :

Advanced Beam Testing Apparatus

Technical Specification :

Advanced Beam Testing Apparatus Lab Equipments Manufacturer, Suppliers & Exporters An unlimited range of Advanced Beam Testing Apparatus can be performed to measure support reactions, deflections and rotations of simply supported, fixed and two span continuous beams, simple and propped cantilevers, and sinking supports. Differing material and section beams supplied are carried by pinned supports on three load-measuring piers each containing an electronic load cell which measures the vertical reaction forces. The output from each load cell is fed into the Data Acquisition Interface supplied. Data Acquisition Software captures the key experimental parameters from the hardware. Three dial gauges on movable stands measure the beam and support displacements.

Experimental Capabilities of Advanced Beam Testing Apparatus

- All variables in deflection of beams
- Slope and curvature of beams
- Support reactions of single span and continuous beams
- Effect of sinking supports

Area moment theorems

Super-position

Clerk Maxwell's reciprocal theorem

Flitched beams

Non-Uniform beams

Comparison of measured reactions with theoretical values

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