



Email : sales@laboratoryinstrumentindia.com

Product Name :
Beam Apparatus

Product Code :
LBNY-0005-13800012



Description :

Experiments:

Verification of the bending equation

Deflection of beams on two simple supports with point loads

Reciprocal properties for loads and deflection

Determination of flexural rigidity and elastic modulus (Young's modulus)

Verification of static equilibrium

Bending characteristics of a brass/steel compound beam, with and without shearing connection between the two layers

Equivalent sections characteristics of a metal-faced wooden beam

Simple and propped cantilevers with any loading

Simply supported and cantilever beams with sinking supports

With the Specimen Beams, these additional experiments can be done:

The effects of material and section shape on flexural rigidity

Continuous beams statically indeterminate cases for simply supported beams and cantilevers on more than two supports with any loading (including measurement of unknown reactions)

Deflections on a non-uniform (tapered) beam or cantilever.

Technical Specification :

Technical Operating Conditions:

Operating temperature range: +5C to +40C

Operating relative humidity range: 80% at temperatures Operating environment: Laboratory

Storage temperature range: 25C to +55C (when packed for transport).



Laboratory Instrument India