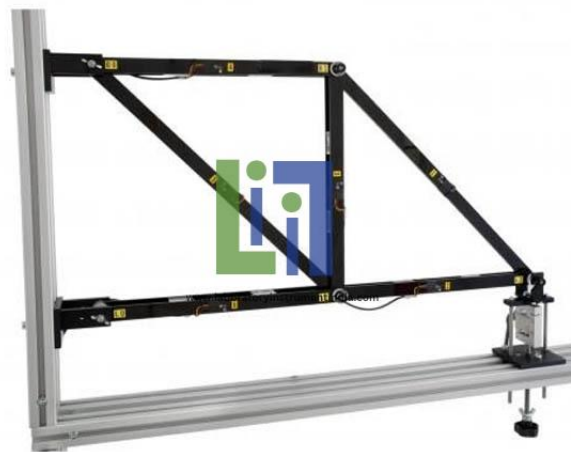




Email : sales@laboratoryinstrumentindia.com

Product Name :
Forces in a Truss (Resolution)

Product Code :
LBNY-0005-13900039



Description :

A two bay, 45° cantilevered truss is suspended from the inside vertical edge of the Universal Frame and Stand. Each Forces in a Truss member is joined at its end by means of pins, which make up the true pin jointed assembly. A comprehensive instruction manual for lecturer and student, giving full details on apparatus assembly and operation as well as example results. All necessary assembly and operational tools are provided. The strain and hence force exerted in each member is measured using strain gauge technology applied to each truss member. At the far end of the truss a screwjack loading mechanism with integral load cell applying the Forces in a Truss loading. The outputs from the member strain gauges and screw jack load cell are fed directly into the Interface.

Experimental Capabilities:

Measure strains exerted on each truss member
To view compressive and tensile forces/strains
To compare experimental results with the member forces calculated by resolution of the forces at joints
To measure the axial strain and hence force in each member of a pin-jointed truss for comparison with calculated theoretical values.

Technical Specification :

Truss loading through screw jack mechanism with integral load cell
Strain gauging technology
The frame is built from single and twinned members
To be constructed of a wall mounted 45° plane frame with six pin-jointed members to form a stable cantilevered truss

To have each truss member truly pin-jointed and with integral strain gauges for connection to Interface
Comprehensive instruction manual provided
Must be used with universal Frame and Stand
Must be used with Interface.



Laboratory Instrument India