Email : sales@laboratoryinstrumentindia.com

Product Name :	**Product Code :**
1A Plane Frame With Strain Gauges	LBNY-0005-1820006

Description :

1a Plane Frame With Strain Gauges is made from fully welded hollow square section steel members making a 45Â° truss. The end mountings also allow the frame to be inverted for work on an inverted truss. Seven members of the truss are 1a Plane Frame With Strain Gauges With half bridge arrangements. The truss has special end mountings supplied that allow different end bearing conditions to be used, i.e. pinned and roller end. The truss has been specially designed to be tested in the MAGNUS Test frame. The standard accessories supplied with the are required. Each 1a Plane Frame With Strain Gauges pairing has a cable loom attached and terminated with a numbered connector. The experiment calls for joint deflections to be measured during testing. Safety chains and high level reaction supports are supplied with this apparatus. This connector can be fitted into the optionally available Data Acquisition Interface for direct reading of the member strain during loading.

Experimental Capabilities:
Measurement of strains in members of a fully welded truss
Investigation of reciprocal theorem
Strain gauging of welded structures
Comparison of deflections with theoretical values assuming pin joints
Investigation of reciprocal theorem
Strain gauging of welded structures
Comparison between normal and inverted trusses
The use of strain gauges and strain meters
Measurement of strains in members of a fully welded truss
Comparison of deflections with theoretical values assuming pin joints
Comparison between normal and inverted trusses
The use of strain gauges and strain meters

Technical Specification :
Provides influence lines A comprehensive instruction manual for students and lecturer provided. Real size welded truss Comparison with pin jointed design theory Must be used in conjunction with the 300 kN Universal Testing Frame, Hydraulic Ram System. Effective teaching experiment Verification of reciprocal theorem.

Laboratory Instrument India