

STRUCTURAL MODELS

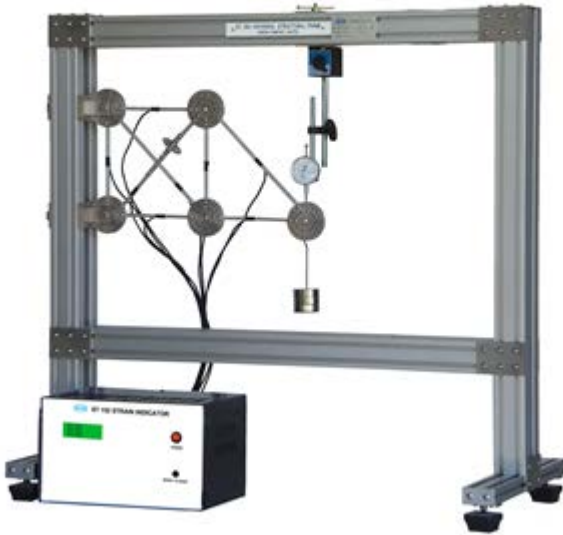
Equipment for experiments on STRUCTURES consists of two main parts, accessories for specific experiment and ST300 Universal Structural Frame or ST305 Universal Base Frame for attachment of the accessories. Many accessories common for various experiment.

ST 341 REDUNDANT TRUSS

DESCRIPTION :

The equipment allows measurement of deflections and axial forces in pin-jointed truss members when a redundant member is added.

A wall mounted truss frame has a pinned upper joint and the lower joint a roller bearing on a support. There are 7 truss members and an extra member with an adjustable length. Load is applied by a load hanger and weights. Deflection is measured by an indicator. Each truss member has a strain gauge which is wired to form a full bridge with temperature compensation and zero adjustment in the strain indicator.



TECHNICAL DATA :

- Member approximate cross-section : 42 mm².
- Members with strain gauge bridge : 8 ea.
- ST 131 Dial Indicator : 1 ea.
- ST 152 Strain Indicator : 1 ea.
- Load hanger : 1.
- Weights : 1 lot, total 50 N.
- Power supply : 220V 1Ph 50Hz or as required.

OPTIONAL EQUIPMENT :

- Dummy member with strain gauge : 1 ea.