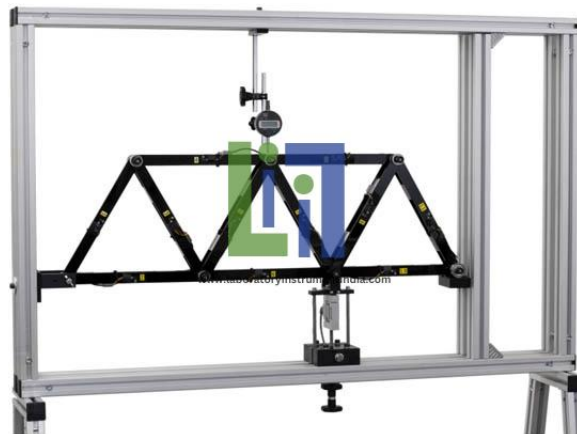




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Pin Jointed Frameworks Apparatus

**Product Code :**  
LBNY-0005-13900040



#### **Description :**

The Pin Jointed Frameworks Apparatus mount onto two end supports. One support has a pivoting arrangement whilst the other has pivoting and rolling arrangement. Each framework member has a strain gauge arrangement attached. The signal from the loading mechanism and strain gauges is fed directly into the Interface. The loads on the Pin Jointed Frameworks Apparatus are applied at known joints by using the screwjack loading mechanism supplied.

The Pin Jointed Frameworks Apparatus enables students to assemble two Pin-Jointed Frameworks (warren and basic roof truss) to measure the strains (hence stresses) and joint deflections. Each member of the framework can be easily interconnected with each other by use of simple joints that are designed to create a truly pin joint.

#### **Technical Specification :**

##### **Experimental Capabilities:**

To arrange a variety of frameworks including roof trusses, warren girder  
To allow the study of strains within various true pin jointed frameworks  
Introducing students to strain gauging technology  
Comparison of different frameworks  
To allow the study of stresses within various true pin jointed frameworks  
Comparison of actual and theoretical results.

##### **Specifications:**

To have each framework member strain gauged with output to Interface  
To have available an additional loading mechanism for applying simultaneous loads at other joints  
Must have digital dial gauge on movable arm to measure joint deflection

---

Must be used with universal Frame and Stand

To have load applied at different joints using loading mechanism with integral load cell and output to Interface

Comprehensive instruction manual provided

Must be used with Interface.



**Laboratory Instrument India**