

**Product Name :**  
Bending Moments In A Portal Frame**Product Code :**  
GENP0007ALTEC™**Description :**

Bending Moments In A Portal Frame

**Technical Specification :**

- A precision indicator measures any horizontal deflection (sway) due to the load.
- They may also add loads to moment arms on the vertical members of the frame.
- These simulate the effect of internal and external cantilever floors of a structure.
- This product includes a Vernier caliper for accurate measurement of cross-section.
- Students add vertical or horizontal or combinational loads to a portal frame held between two fixing blocks.
- The strain gauges connect to a strain gauge amplifier which connects to the USB interface hub of the Structures platform for computer display and data acquisition.
- Students use textbook analysis methods to predict the bending moments at key positions, along with the sway magnitude.
- Strain gauges at key points around the portal measure the strains and in turn the bending moment due to the loads.
- The positions of the strain gauges and resulting measured bending moments allow students to plot bending moment diagrams for the frame for different loading conditions, allowing comparison to calculated results.



## Equipments Exporters

**Website:** [www.equipmentsexporters.com](http://www.equipmentsexporters.com), **Email:** [sales@equipmentsexporters.com](mailto:sales@equipmentsexporters.com)

**Address:** 75, Lajpat Nagar-IV, New Delhi-110024 **Phone:** +91-9311469084