



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

Phone: +91-8759245890

Website: <https://thelabequipment.com>, **Email:** sales@thelabequipment.com

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

Phone: +91-8759245890

Product Name :

Frame Deflections And Reactions

Product Code :

SLE/EG/05



Description :

- Students fit one of a choice of two frames between two supports and apply vertical loads to the beam member.
- Students apply loads to the portal frame.
- They compare predictions to measured and observed results.
- A precision indicator measures any horizontal deflection (sway) at the junction of the beam and the upright.
- Each support includes pointers that work with the scale on the platform for accurate positioning.
- Both frame beams can be loaded anywhere along their length.
- This allows the students to understand the two causes of frame sway other than direct loads.
- This helps confirm the reliability of the textbook equations and the accuracy of the experiment results.
- This product includes a Vernier caliper for accurate measurement of the frame cross-section.
- They use textbook equations and analysis to predict the reaction forces and fixing moments due to the load and whether or not the frame will sway and its magnitude.
- Load cells in the supports measure the bending moment and horizontal reaction at the base of the uprights due to the load.

Contact Science Lab for your Educational School Science Lab Equipments. We are best school lab equipment suppliers, lab equipment suppliers near me, laboratory equipment manufacturers in india, scientific equipment manufacturing company, educational equipments for science labs, educational lab equipment manufacturers in india.

Website: <https://thelabequipment.com>, **Email:** sales@thelabequipment.com

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010