



THE LAB EQUIPMENT

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**Product Name :**

Bending Stress In a Beam

**Product Code :**

SLE/EG/16



## Description :

- Students apply the load and measure the resulting strains.
- This product includes a Vernier caliper for accurate measurement of the beam cross-section.
- They use textbook beam equations to predict the stresses and bending moments for any given load, comparing them to measured results.
- This helps confirm the reliability of the textbook equations and the accuracy of the experiment results.
- The strain gauges connect to a strain gauge amplifier, which connects (with the load cell) to the USB interface hub of the Structures platform for computer display and data acquisition.

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