

Product Name :

Diaphragm

Product Code :

SLE/ETP/13

**Description :**

- A self-contained bench mounting experimental apparatus to enable students to investigate the effect of pressure on the surface profile of a diaphragm and also the distribution of circumferential and radial strains.
- Two heavy flanges clamp the edge of the diaphragm to provide built-in edge conditions.
- The area directly under the diaphragm contains oil.
- Each strain gauge circuit is a full bridge, with high-stability resistors.
- The signals from each strain gauge are shown on a digital display.
- Eight strain gauges are cemented to the top surface of the diaphragm in various positions and at different radii.
- A digital dial gauge is fitted to a digital position indicator. The dial gauge can be traversed across the diaphragm to measure its surface profile.

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