



THE LAB EQUIPMENT

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**Product Name :**

Center of Pressure

**Product Code :**

SLE/EFM/28



## Description :

- A pivoted clear plastic assembly which students use to find the centre of pressure of a totally or partially submerged plane surface.
- Compact, self-contained and excellent for classroom demonstrations.
- A scale on the panel of the apparatus shows the head of water.
- Consists of a vertical panel that holds a clear plastic quadrant, to which students add water.
- The quadrant has engraved lines to help students keep the plane in a vertical or angled position.
- Cylindrical sides of the quadrant have their central axis coincidental with the moment measurement axis.
- The total fluid pressures on these curved surfaces therefore exert no moment about this pivot.
- Therefore, the moment is only due to the fluid pressure on the plane test surface.
- Students measure this moment using weights suspended from a level arm.

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