

Product Name :

Friction Slide Apparatus

Product Code :

SLE/MCE/24

**Description :****Specifications:**

- The compact bench top unit has a sturdy aluminum base plate, non-slip feet and central vertical pillar.
- Pivoting on this base is a ground steel plane which can be locked in any angular position between $\pm 45^\circ$, indicated on a semi-circular protractor scale.
- Each tray in turn is attached to a weight hanger and weights are added until the tray just begins to slide.
- The slider trays also allow for additional weight to be added changing the experimental scope.
- Two composite slider trays are supplied.
- One pair being made out of aluminum and steel, whilst the other is made from nylon and brass.
- The hanger cord pulls the tray up the sloping steel plane whilst passing over a pulley and bearing.
- The bearing reducing friction to ensure accurate results.
- The experiment may also be used as an exercise in equilibrium of forces, determining the force required to move the tray along the plane giving the coefficient of friction.