

Product Name :
Astra Scientific Friction Slide Apparatus

Product Code :
Applied-Lab-0011



Description :

Astra Scientific Friction Slide Apparatus

Technical Specification :

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.

Two composite slider trays are supplied. One pair being made out of aluminum and steel, whilst the other is made from nylon and brass. You simply turn over the trays to test one of the other. 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.

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.

The apparatus comes supplied with a comprehensive instruction manual for student and lecturer, weights set and hanger



Astra Scientific

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