

Product Name :
Precision Friction Force Measurement Apparatus**Product Code :**
ALABS-A190-001**Description :****Precision Friction Force Measurement Apparatus**

A slender base plate has a motor at one end, operated using a switch. The motor drives a cord attached to a sliding primary material. The motor ensures a near constant movement of the primary material, and two different speeds can be selected. The secondary material slides on top of the primary material. It remains stationary as the primary materials slides underneath it. The secondary material is attached to a spring balance which records the friction force being generated by the two materials.

Specification:

- To be apparatus to demonstrate friction forces between materials sliding on each other
- Precision linear bearings and slide guides for accurate operation
- Bench top unit to be compact and easy to arrange
- Primary and secondary materials slide on each other
- Materials supplied to include aluminium, brass, nylon, and tufnol

- Primary material driven by motor
- Secondary material to connect to analogue spring balance for friction force recording
- Mass of secondary material to be varied



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