

Product Name :
Fundamentals of Mechanical Friction

Product Code :
ALABS-A179-138



Description :

Fundamentals of Mechanical Friction

The unit is used to determine coefficients of friction, it provides fundamental experiments relating to static and dynamic friction. Two solid bodies are moved against each other in uniform manner. The friction forces occurring in the process are measured. One material under investigation is connected to a force gauge and remains at rest on the surface of the paired material which is driven by a motor and slides beneath the friction body. Two sliding speeds can be selected. The change in normal force is effected by additional weights. The various elements of the experiment are clearly laid-out and housed securely on a tray.

Specification:

1. Fundamentals of mechanical friction
2. Friction body and force gauge stationary, supporting friction surface motor-driven
3. 2 friction bodies each with 2 different surfaces
4. 2 supporting friction surfaces with a total of 3 different surfaces

5. 2 cable drum driving speeds

6. Force gauge overload-proof, with clearly legible transparent dial

7. Tray to house the components

Technical Data:

Supporting surfaces: Al / felt, PVC

Friction body: smooth / rough (Al), brass / felt

Driven by synchronous motor

- driving speeds: 23,5cm/min; 47cm/min

Force gauge

- measuring range: 0...2N, graduations: 0,1N Weights: 8x 0,5N



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