

Product Name :
Friction Apparatus

Product Code :
NLAB-TECHNICALAB30014



Description :

Friction Apparatus

Technical Specification :

Investigate the relationship between the friction force and the surfaces in contact.

Compare the value of the coefficient of sliding friction between dry surfaces of various materials.

Compare the value of the coefficient of sliding friction between dry and lubricated surfaces

Compare the force of friction between sliding and rolling surfaces.

Compare the force of friction between “Hard” and “Soft” rolling surfaces.

Technical specifications

It is constituted of a shaft with a wheel and two disks equipped with rollers, one of the disks turning in an oil bath.

Five different material blocks are provided as standard (rubber, ferodo, brass, cast iron, nylon).

These blocks are set under an arm. A mass support hung to the extremity of this arm applies a load on the surface in contact. The friction strength and the friction coefficient are determined by the maximal mass

applicable to the wheel to maintain the static balance.

Two wheels, of which one with a strip rubber, are provided for the study of sliding and rolling resistance.

Experiment manual

Optional equipment :

The unit may be wall mounted or fitted to the Universal Bench Mounting Frame.

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