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Product Name :
Drive Unit For Tribological Investigations

Product Code :
LBNY-0005-1010006



Description :

Tribology studies friction, wear and lubrication. Lubricants are used to minimise friction and wear. Friction occurs when two solids are in contact with each other and their movement is impeded. If material is lost progressively during this process, it is referred to as wear.

Features:

Electronic measurement of the frictional force between friction partners
Base module for studying various cases of sliding and rolling friction

Learning Objectives And Experiments:

Elasto-hydrodynamic behaviour in rolling friction of a sphere against a flat surface
Frictional vibrations and slipstick phenomenon
Pressure distribution in the journal bearing
Wear test: pin against disk
Wear test: friction wheel experiment
Together with the experimental units
Rolling friction of two disks with slip.

Technical Specification :

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Laboratory Instrument India