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Product Name :
Simple Flywheel Apparatus

Product Code :
LBNY-0005-14000026



Description :

A mark on the Simple Flywheel Apparatus and a pointer on the bracket enables the revolutions to be counted and timed with the stop watch supplied. From the timings of a known number of revolutions, students can then verify the experimental capabilities of the apparatus. A steel disc $\text{Ø}250\text{mm}$ diameter and 30mm thick is mounted on a shaft running in precision bearings housed in a substantial wall bracket. A cord, load hanger and set of weights are provided to start the flywheel rotating.

Experimental Capabilities:

To compare experimental and calculated moments of inertia of a disc
To study the energy transformations and to demonstrate that a flywheel can be used to store energy
To verify the second law of motion applied to a flywheel, ie the relationship between torque and angular acceleration

Technical Specification :

Steel flywheel $\text{Ø}250\text{mm}$ x 30mm thick
Large steel flywheel with mark on perimeter
Pointer on periphery of flywheel to record rotations
Stopwatch supplied
Cord wrapped around shaft of flywheel
Comprehensive instruction manual provided
Hanger locates onto cord and pulls flywheel around when calibrated weights applied to hanger.



Laboratory Instrument India