

Product Name :
Small Flywheel Apparatus

Product Code :
ELABBTM0010



Description :

Small Flywheel Apparatus

Technical Specification :

Small Flywheel Apparatus Features Low cost, effective teaching. Self-contained. Wall mounted. Demonstrates: a) Second Law of Motion. b) Energy storage. Three year warranty. Range of Experiments To verify the second law of motion applied to a flywheel, ie the relationship between torque and angular acceleration. 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. Description A steel disc 150 mm diameter and 20 mm thick is mounted on a shaft running in conical bearings housed on a substantial wall bracket. A mark on the flywheel and a pointer on the bracket enable the revolutions to be counted and timed with the stop watch supplied. A cord, load hanger and set of weights are provided. This equipment is part of a range designed to both demonstrate and experimentally confirm basic engineering principles. Great care has been given to each item so as to provide wide experimental scope without unduly complicating or compromising the design. Each piece of apparatus is self-contained and compact. Setting up time is minimal, and all measurements are made with the simplest possible instrumentation, so that the student involvement is purely with the engineering principles being taught. A complete instruction manual is provided describing the apparatus, its application, experimental procedure and typical test results.

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