

Product Name :
Centrifugal Force Apparatus

Product Code :
ELABBFA007



Description :

Centrifugal Force Apparatus

Technical Specification :

Centrifugal Force Apparatus Features Low cost, effective teaching Self-contained Wall mounted Speed, rotating mass, and radius of gyration independently variable Direct readout of centrifugal force by spring balance Direct readout of rotational speed by digital tachometer Fully guarded Three year warranty Range of Experiments To verify that the centrifugal force on a rotating mass is proportional to the:- square of the speed mass radius of gyration To compare the experimental results with those calculated from theory Description This apparatus is used to verify that centrifugal force varies with the square of the speed, the rotating mass, and the radius of gyration. A unique feature is that all three variables can be set and the centrifugal force directly read from the spring balance. Six masses are supplied. The unit has a built-in variable speed drive and digital tachometer. The equipment is fully guarded (not shown in the photograph). 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.

Elab Engineering Equipments Manufacturers

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