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Product Name :
Centripetal Force Apparatus

Product Code :
LBNY-0005-14000037



Description :

The apparatus consists of a turntable carrying two pairs of masses mounted on radius rods and linkage so that the centripetal force is measured using direct weighing by masses placed on the central carrier. Centripetal Force Apparatus permits accurate determinations of the relationship between force, mass radius and angular velocity of a rotating body. A similar pair of radius rods beneath the turntable compensate for any force due to the rods themselves. The masses, which may be separated to show the effect of equivalent mass, may be fixed at any radius from 75 mm to 250 mm along the graduated radius rods. One or more of the masses may be removed. For experimental work the mass, radius and angular velocity may be varied.

Features:

Precision electronic tachometer
Variable speed electric drive
Counter balanced operating linkage.

Technical Specification :

Experimental Capability;

To verify the principle of equivalent mass.
To verify the theory of centripetal forces associated with the angular motion of revolving masses and the effect of speed and radius.

Laboratory Instrument India

