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Product Name :
Static And Dynamic Balancing Vibration

Product Code :
LBNY-0005-14000018



Description :

Static And Dynamic Balancing Vibration integral linear scale ensures accurate linear position of each mass, whilst an integral angular scale ensures accurate angular position of each mass. A bench mounted enclosure contains all the electronics and safety guard for Static And Dynamic Balancing Vibration apparatus. A set of 12 balance masses are provided of varying mass, and each one has a thin alignment slot produced. A top the enclosure lid is a shaft running in bearings. The shaft can carry upto four balance masses (non-coplanar). Each mass can be easily adjusted for imbalance by its radius, linear and angular position.

Experimental Capabilities:

Comparison between theoretical and actual results
Use of vector diagrams, vector resolution, resultant forces, moment polygons, turning moments
Method of achieving balanced system
Imbalance of rotating masses and the affect on surrounding components
Static balancing of non-coplanar masses
Dynamic balancing of non-coplanar masses
Angular and linear adjustment of balance masses.

Technical Specification :

Balance mass radius adjustment range 30.70mm
Speed controlled motor giving shaft speeds between 01400rpm
Angular scale in degrees, resolution 1degree ()
100 small bearing masses supplied along with weighing tub
Balance masses of 50, 75 and 100g supplied

Linear scale in millimetres.



Laboratory Instrument India