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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

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Linear scale in millimetres.



**Laboratory Instrument India**