



Email : sales@laboratoryinstrumentindia.com

Product Name :
Cam Analysis Apparatus

Product Code :
LBNY-0005-14000029



Description :

The angular position of the cam is shown on a protractor and a pointer, this assembly allows the cams position through rotation to be recorded. A vertical pillar contains the main spindle for each Cam Analysis Apparatus to be rotated, whilst a dial gauge has its anvil resting on the top edge of the cam. The rise and fall displacement of the Cam Analysis Apparatus, as it rotates through 360°, is measured using a dial gauge. Cams and followers are easily changed and graphs for the variety of cams can be created to compare the linear change with the rise and fall of the follower. Each cam is mounted on a central shaft and is free to rotate about this shaft. The cams are rotated by hand.

Experimental Capabilities:

To derive the velocity and acceleration diagrams, and determine the maximum acceleration of the follower
To compare experimental and calculated results
To determine a graph of follower displacement against angular rotation of the cam
To assess the effect of different cams and followers.

Technical Specification :

Set of 5 cams: Simple Harmonic Motion Cam, Uniform Motion Cam, Constant Dial gauge: 25mm range, 0.01mm resolution, 60mm diameter reading face.
Angular protractor scale with 360° range and 1° resolution
Acceleration Cam, Tangent Cam, Eccentric Cam
Set of 2 followers: roller and knife-edge
Comprehensive instruction manual provided.



Laboratory Instrument India