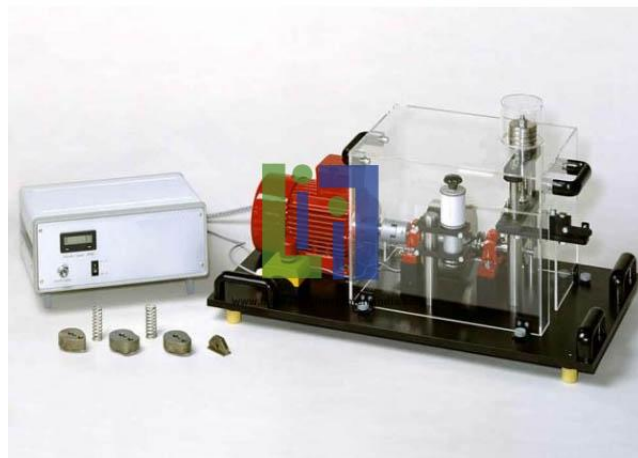




Email : sales@laboratoryinstrumentindia.com

Product Name :
Cam Analysis

Product Code :
LBNY-0005-1400019



Description :

The Cam Analysis consists of 3 interchangeable cams and 2 different cam followers. The cams are rotated using an electronically controlled motor and pulley gear arrangement. A large inertia mass is connected between the motor and cam to ensure consistent running at various speeds. Bench top apparatus to demonstrate the dynamic investigation of cam mechanisms, as used in motors for actuation of the valves.

On top of the shaft can be attached a number of removable masses which allow the valve mass to be changed. The follower attaches to a vertically moving shaft which simulates the valve itself.

Experimental Capabilities:

- Determination of the limiting speed and its comparison with the theoretical value
- Comparison of the various cam designs
- Elevation curve for a bouncing pick-up
- Relationship between cam and spring force
- Elevation curves supplied by unsuitable pick-ups.

Technical Specification :

- Cam mechanism to consist of 3 interchangeable cams and 2 follower Valve to be simulated by changeable disc weights and varying springs
- Electric motor with speed control
- Cam elevation and displacement recorded using a Data Acquisition Interface
- Weights supplied
- To be portable Unit for dynamic investigations of cam and follower drives used to actuate engine valves
- Adjustable spring rate, weight, speed

110V/60Hz, 230V/50Hz, single phase supply
Comprehensive instruction manual
3 springs with different spring rates to be selected
Safety cover and micro switch power cut-off.



Laboratory Instrument India