

STATIC & DYNAMIC BALANCING APPARATUS (EE-1585)

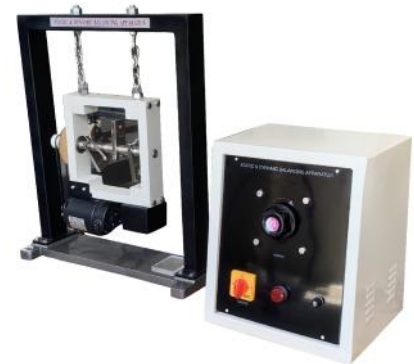
This equipment is designed for carrying out the experiment for balancing a rotation mass system. The apparatus consists of a stainless steel shaft fixed in a rectangular frame. A set of four blocks with a clamping arrangement is provided. For static balancing, each block is individually clamped on shaft. For dynamic balancing, a moment polygon is drawn using relative weights and angular and axial position of blocks is determined. The block are clamped on shaft is rotated by a motor to check dynamic balance of the system. The system is provided with angular scale and is suspended with chains for dynamic balancing.

EXPERIMENTATION:

- To balance the masses statically and dynamically of a single rotating mass system.
- To observation of effect of unbalance in a rotating mass system.

UTILITIES REQUIRED:

- Electricity Supply : 220 V , Single Phase, 0.5 kW



TECHNICAL DETAILS:

- Drive Motor: FHP Motor, variable speed, with speed controller.
- Balancing weight: 4 Nos. of Stainless Steel with different sized eccentric mass for varying unbalance.
- Rotating Shaft: Material Stainless Steel
- Instruction Manual: An ENGLISH instruction manual will be provided along with the Apparatus.