

Features

- **Experimental Setups:** Includes 6 pendulum oscillators, 2 bar-type oscillators, and 1 spring-mass oscillator, enabling a wide range of experiments related to mechanical vibrations.
- **Imbalance Exciter:** Incorporates an electrical imbalance exciter adjustable to operate within a frequency range of 0 to 50 Hz for studying free and forced vibrations.
- **Control Unit:** Features a digital frequency display and a TTL output for triggering external devices, enhancing experimental functionality.
- **Damping Mechanism:** Includes an adjustable oil damper for studying damped vibrations with varying damping ratios.
- **Tunable Absorber:** Equipped with a tunable absorber using a leaf spring, adjustable for different frequencies (5 to 50 Hz) for vibration absorption experiments.
- **Recording Equipment:** Includes an electrically operated drum recorder for recording free vibrations and a polar chart recorder for determining amplitude and phase of forced vibrations.

Technical Specifications

- **Dimensions and Weight:**
 - Rigid beam: 700 x 25 x 12 mm, weight 1.6 kg
 - Elastic beam: 700 x 25 x 4 mm, weight 0.6 kg
 - Total system mass: Approximately 150 kg
- **Spring Specifications:** Tension-pressure springs with stiffness ratings of 0.75 N/mm, 1.5 N/mm, and 3.0 N/mm.
- **Damper Specifications:** Oil damper with an operating range of 5 to 15 Ns/m.
- **Frame Dimensions:** Overall dimensions: 1010 x 760 x 1800 mm; Opening: 870 x 650 mm

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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