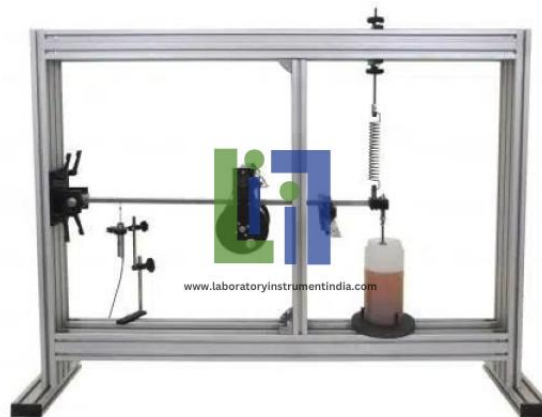




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**Product Name :**  
Universal Vibration System

**Product Code :**  
LBNY-0005-10100069



#### **Description :**

The trainer covers a wide range of topics in mechanical vibration technology. Forced vibration is generated with an electrical motor-driven imbalance exciter. A mechanical drum and a polar diagram recorder record the vibration. The single parts are stored in the protective storage compartments of the laboratory trolley. A practice set for torsional vibrations is available as accessories. The exciter frequency can be set precisely on a control unit with digital display. An oil damper is used for vibration abatement. It is mounted on a sturdy, low-vibration frame which is installed on a laboratory trolley with braked wheels. Quick fastening elements for the formed grooves for quick and accurate experimental set-up. A bar-type oscillator that can be adjusted with weights is included for absorber experiments. Alternatively, measured values can be evaluated with the software for data acquisition. The sensor enables to measure electrically the amplitudes of various oscillators.

#### **Technical Specification :**

Electrical imbalance exciter  
Electronic exciter control unit with digital frequency display and ttl output for triggering external units  
Instructional and experimental vibration system, experiments on damping, resonance, two-weight system and vibration absorption  
Adjustable absorber with leaf spring  
Oil-filled damper  
6 pendulum oscillators, 2 bar-type oscillators, 1 spring-mass oscillator.

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# Laboratory Instrument India

