



**Product Code . JL-FML-7331**

## **Universal Vibration Apparatus**

### **Description**

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Universal Vibration Apparatus

We are engaged in the manufacturing and exporting of Universal Vibration Apparatus.

The apparatus provided an inclusive unit to perform the vibration experiments.

The unit is self-contained to safely store spares.

A universal frame is provided upon which quick and easy assembly of various experiments can be done.

The students can easily assemble the experiments and study the theory of vibrations practically.

### **Experiments:-**

Following experiments can be performed with this unit:

To verify the relation simple pendulum.

To study the undamped free vibration of the spring-mass system.

To study the forced vibration of the simply supported beam for different damping.

To study the longitudinal vibration of helical coiled spring.

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To verify the relation of compound pendulum & to determine the radius of gyration.

To study radius of gyration of bi-filer suspension.

Undamped torsional vibrations of the single rotor system.




Undamped torsional vibrations of the double rotor system.

To study the damped torsional vibration of single rotor system and to determine the damping coefficient.

Verification of Dunker ley's Rule.

To study the forced damped vibration of the spring-mass system.

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