



FREE AND FORCED VIBRATION

RD 085

Description:

This experimental unit allows the free and forced vibration which occurs in many realistic engineering problems to be studied. The device is composed of a sturdy frame and a bar-type oscillator which is used as the vibration system. A dash-pot oil viscous damper allows the study of damped vibrations with adjustable damping level.

Specifications:

- Movable imbalance exciter with variable speed DC motor
- Viscous damper
- Specified spring
- Cantilever beam
- Mechanical data acquisition system
- Electrical control panel with displays and switches
- Aluminum frame
- Set of weights
- Carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Fundamentals of mechanical vibration theory; free, damped and forced vibrations
2. Effect of viscosity and imbalance exciter on dynamic response

Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm: 1000×700×1400

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