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Product Name :
Free and Forced Vibration Apparatus

Product Code :
SCHOOL-DYM860004



Description :

Free and Forced Vibration Apparatus

Technical Specification :

FEATURES:

Demonstration of basic fundamentals of mechanical vibration theory

Free vibrations

Damped vibrations

Inertia force and displacement excitation

Forced vibrations

Resonance

Amplitude response and phase response

SPECIFICATION:

Fundamentals of mechanical vibration theory; free, damped and forced

Bar-type oscillator: LxWxH: 700x25x12mm, 1,6kg

Damper constant: 5...15Ns/m, oil-filled

Coil springs :

0,75N/mm

1,5N/mm

3,0N/mm

Exciter :

Frequency: 0...50Hz, electronically controlled

Imbalance of the imbalance exciter: 0...1000mmg

Stroke of the displacement exciter: 20mm

Mechanical drum recorder :

Feed: 20mm/s

Paper width: 100mm

Required for operation :

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase

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