

Product Name :
Universal Vibration Apparatus Lab

Product Code :
ENGLABINGCAG11600001



Description :

Universal Vibration Apparatus Lab

Technical Specification :

Dynamic behaviour of a ship structure
Simple shipform simplifies the mathematical approach
Different excitation signals possible
Optional excitation and measuring points

Specification:

Vibration behaviour of a model ship in air and in water
Ship Model mounted on springs; vibration excitation and acceleration measurement at any point
Frame with height-adjustable cross-member for attaching the model
High natural frequency of the cross-member owing to enclosed box cross-section with high rigidity and low weight
Plastic model ship with elliptical lines plan and 9 ribs
Capacitive acceleration sensor with measuring amplifier, freely positionable
Vibration exciter with power amplifier and function generator: sinusoidal, triangular or rectangular signal

Technical data:

Vibration exciter:
Electrodynamictype with permanent magnet
Max. force: 8,9N
Frequency range: 5 ÷ 12000Hz

Function generator:

Adjustable frequency, amplitude and offset

Output: $0 \leq 10V_{ss}$, 50 Ohm

Acceleration sensor:

Measuring range: $\pm 5g$

Frequency range: $0 \leq 400Hz$



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