

Product Name :
Natural Vibration On A Ship

Product Code :
CHINAELABC360002



Description :

Natural Vibration On A Ship

Technical 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: 0~10Vss, 50 Ohm

Acceleration sensor:

Measuring range: $\hat{A} \pm 5g$

Frequency range: 0~400Hz

Ship Model:

Deck stringer with fastening holes for sensors and suspension



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