

Product Name :
Universal Vibration System

Product Code :
TM 150



Description :

Universal Vibration System Specification

1] Instructional and experimental vibration system, experiments on damping, resonance, two-weight system and vibration absorption

[2] 6 pendulum oscillators, 2 bar-type oscillators, 1 spring-mass oscillator

[3] Electrical imbalance exciter

[4] Electronic exciter control unit with digital frequency display and TTL output for triggering external units

[5] Adjustable absorber with leaf spring

[6] Oil-filled damper

Technical Data

Bar, rigid: l x w x h: 700x25x12mm, 1.6kg

Bar, flexible: l x w x h: 25x4x700mm, 0.6kg

Tension / compression springs

- 0.75N/mm

- 1.5N/mm

- 3.0N/mm

Imbalance exciter

- 0...50Hz

- 100cmg

Oil-filled damper: 5...15Ns/m

- leaf spring, wxh: 20x1.5mm

- total weight: approx. 1.1kg

- adjustable 5...50Hz

Groove width of frame: 10mm

Drum recorder: 20mm/s, width 100mm

Polar diagram recorder: D=100mm

Dimensions and Weight

l x w x h: 1000 x 800 x 1800 mm

Opening in frame w x h: 870 x 650 mm

Weight: approx. 160 kg

Connections

230V, 50/60Hz, 1 phase or 120V, 60Hz/CSA, 1 phase (control unit)

Scope of Delivery

1 frame and laboratory trolley

6 pendulums

2 bars

3 springs
1 exciter control unit
1 imbalance exciter
1 damper
2 recording devices
1 experiment instructions



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