

Product Name :
Universal Vibration System

Product Code :
TM 0150



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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