

Product Name :
Free and Forced Vibration Apparatus

Product Code :
TM 155

Description :

Free and Forced Vibration Apparatus

Specification

- [1] Basics of mechanical vibration, natural damped and forced vibrations
- [2] Bar-type oscillator
- [3] Three helical springs
- [4] Unbalance exciter with DC motor, 0.77kg
- [5] Displacement exciter with DC motor
- [6] Electronic control unit with digital display, exciter frequency adjustable
- [7] Oil-filled damper
- [8] Electrically driven drum recorder
- [9] Amplitude meter with electric contact for triggering equipment
- [10] Storage system to house the components

Technical Data

Bar-type
oscillator: l x w x h: 700x25x12mm, 1.6kg

Helical springs

-
0.75N/mm

-
1.5N/mm

-
3.0N/mm

Exciter frequency: 0...50Hz, electronically controlled

Unbalance of the unbalance exciter: 0...1000mmg

Stroke of the displacement exciter: 20mm

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

Mechanical chart recorder

-
feed: 20mm/s

paper width: 100mm

Dimensions and Weight

l x w
x h: 1000x420x900mm

Frame opening w x h: 870x650mm

Weight: approx. 52kg

Connections

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

**Scope
of Delivery**

1
frame

1
bar-type oscillator

3
helical springs

1
unbalance exciter

1
displacement exciter

1
exciter control unit

1
damper

1
amplitude meter

1 drum
recorder

1
storage system

1
manual

Technical Specification :

Free and Forced Vibration Apparatus

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