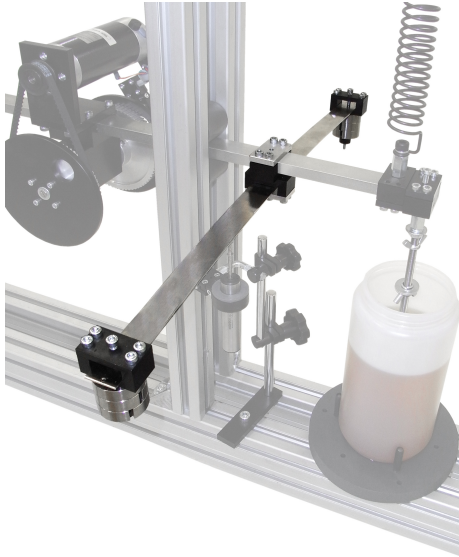




VIBRATION ABSORBER HVT12D



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study

Features

- Passive vibration absorber
- Easily attaches to HVT12G rigid beam
- Very visual experiment

Description

The vibration absorber (also known as Dynamic Absorber) rigidly mounts to the HVT12G beam (sold separately). It consists of a spring steel strip, which is gripped at its centre by a beam clamp which fixes it to the beam and creates a dual cantilever. Weights are attached on each cantilever, and through the use of the LVDT transducer of the HAC90, the system is tuned to offset the resonance frequency of its parent system.

Related Laws/Applications

- Machinery
- Automotive
- Mechanical Engineering
- Structural Engineering
- Aeronautical Engineering

Learning capabilities

- Tuning of a vibration absorber
- Observe and record the effect on natural frequency of a system with vibration absorber fitted

Technical Specification

- Spring steel beam: 590(L) x 25.4(W) x 1.6(H)mm
- Beam Mass = 182.4g
- 8 x 100g mass

Essential Ancillaries

- Requires HVT12F, HVT12G, HVT12K, HAC90, HAC110, Hac120 and HVT12K for operation

What's in the Box?

- 1 x Beam attachment
- 2 x Beam clamp
- 8 x 100g mass
- 1 x Spring steel strip

Weights & Dimensions

- Weight: 3Kg
- Length: 700mm
- Width: 100mm
- Height: 150mm

Essential Services

- HVT12G

Ordering information

To order this product, please call PA Hilton quoting the following code:
HVT12D

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