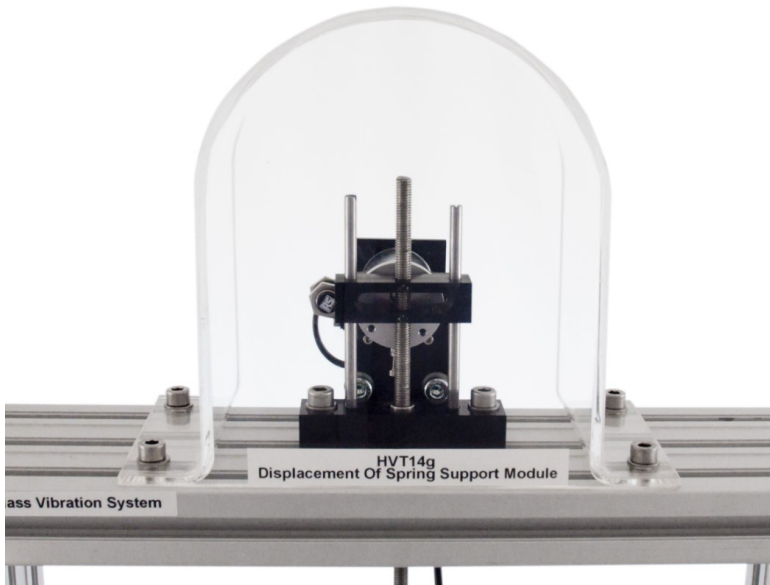




FORCED DISPLACEMENT OF SPRING SUPPORT MODULE HVT14G



Description

This module attaches to the top of the main unit via an angle bracket which locates into the frame extrusion. The studding length for the main unit has a sleeve added and then this module clamps onto the support studding which is normally used to fix the top of the spring into position. This accessory requires the HVT14C to run the motor which rotates the disc that is used to lift and drop the support studding. This is done with a small bearing attachment, there is a single set displacement amount which is consistent throughout testing. The frequency at which the motor displaces the system is controlled from the HVT14C unit which the proximity sensor also plugs into. This setup gives a constant periodic displacement of the top of the spring. This unit is NOT intended for use in conjunction with the HVT14E module. The unit comes with its own safety guard that fixes onto the top of the main extrusion frame.

Learning capabilities

- Creating a forced displacement to the 'fixed' end of the spring.
- Changeable frequency (to be set from control box).
- Standard experiment variable parameters i.e. added mass, change of damping etc.

Technical Specification

- 1 x Proximity sensor
- 1 x Top guard
- 1 x Displacement bracket
- 1 x Spring support guide

Essential Ancillaries

- HVT14D Digital Spring Mass Vibration Apparatus
- HVT14C Motor Control Unit

What's in the Box?

- 1 x Forced Displacement of Spring Support Module

Weights & Dimensions

- Net dimensions approx: 150mm x 150mm x 100mm
- Net weight approx: 2.5Kg

Essential Services

- 110-240 Volts, Single Phase, 50-60Hz. For the universal power supply unit transformer to power the control box.

Ordering information

To order this product, please call PA Hilton quoting the following code:
HVT14G - Forced Displacement of Spring Support Module