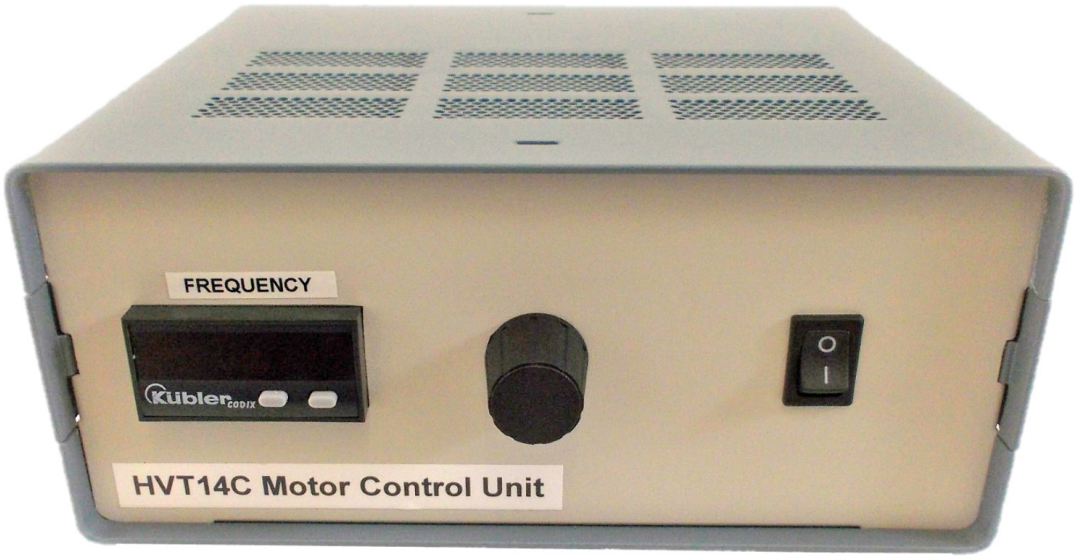
MOTOR CONTROL UNIT
HVT14C



Description
This accessory is essential to run either the HVT14E or the HTV14G modules. This motor control unit can run either of the motor modules for forced displacement within the HVT14 apparatus but only one module should be used at a time in order to obtain reliable results. The proximity sensor from either of the HVT14E and HVT14G can be connected into the HVT14C, this will allow the display to show the current speed (excitation frequency) that the motor is running at. There is a BNC output in the rear of the control box which allows the unit to be connected into the sensor box (supplied with the HVT14D). From here the digital oscilloscope can display both channels simultaneously. Therefore the excitation frequency (from the motor) and the resultant spring response frequency (from the LVDT on spring) can be captured, displayed, stored and analysed.

Learning capabilities
- Allows testing of forced vibrations (with HVT14E module).
- Allows testing of forced displacement of spring support (with HVT14G module).
- Output of exciter frequency to sensor box for use with experiment analysis.

Technical Specification
- For use with the HVT14D DIGITAL SPRING MASS VIBRATION APPARATUS, HVT14E and HVT14G accessory units.

Essential Ancillaries
- HVT14D Digital Spring Mass Vibration Apparatus
- HVT14E Forced Vibration Module
- HVT14G Forced Displacement of Spring Support Module

What's in the Box?
- 1 x Motor Control Unit

Weights & Dimensions
- Net dimensions Approx: 80mm x 200mm x 230mm
- Net weight Approx: 1kg

Essential Services
- 110-240 Volts, Single Phase, 50-60Hz For universal power supply to power control box.

Ordering information
To order this product, please call PA Hilton quoting the following code:
HVT14C - Motor Control Unit