



ENHANCED INSTRUMENTATION MODULE HTM90A



Features

- Upgrade instrument module for the HTM90 base unit
- Allows for the vibration analysis in different orientations
- Provides a greater depth of understanding of the vibrations being analysed
- Software allows for the capture, display, storage and retrieval of excitation frequency and amplitude

Description

The HTM90A comprises a main sensor box which has on the front panel a power switch and two pairs of sockets for sensor power and signal cables. Two acceleration sensors (accelerometers) are provided each with magnetic bases to fix to the pickup points on the main HTM90 unit. The accelerometers are both single axis but can be mounted to analyse vibrations in different orientations to provide a more in depth image of the vibrations and therefore faults within the mechanical system. This sensor box incorporates a two channel digital oscilloscope, with USB connection to a host computer (Not supplied). The data acquisition software supplied allows the capture, display, storage and retrieval of the excitation frequency and amplitude response from the sensors used on the HTM90 apparatus. Readings are displayed via a live feed on the software, they can be displayed in a number of modes and ranges to best depict and analyses the vibrations in the system.

Learning capabilities

- Familiarization with vibration signals
- Understanding different ways of measuring vibrations/ vibration types. Measurement of amplitude, vibration acceleration as well as investigation of natural frequencies and critical speeds.
- Assessment of the vibration state of a machine from induced faults.
- Frequency analysis
- Positioning of sensors and directions of vibrations.

Technical Specification

- 2 x single axis accelerometer sensors with magnetic bases.
- Frequency range : up to 10MHz
- Powered by USB and 12V power supply

Essential Ancillaries

- HTM90/230 - Machinery Diagnostic Base Unit & Instrumentation or
- HTM90/115 - Machinery Diagnostic Base Unit & Instrumentation

What's in the Box?

- 1 x Sensor Box Assembly
- 2 x Accelerometers
- 1 x 18W 15V 1.2 PSU Multi AC

You might also like

- HTM90B - Roller Bearing Module
- HTM90C - Couplings Module
- HTM90D - Load And Brake Module
- HTM90E - Elastic Shaft Module
- HTM90F - Fan Vibration Module
- HTM90G - Belt, Brake and Crank Module
- HTM90H - Gear Damage Module

Weights & Dimensions

- Control box dimensions 210mm x 100mm x 180mm
- Approx weight of control box 0.120Kg

Ordering information

To order this product, please call PA Hilton quoting the following code:
HTM90A - Enhanced Instrumentation Module

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COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS