

Model 5500 only



Model 5500 Velocity Measurements **Model 5500B Velocity and Displacement**

Compact and simple to operate, these economical units are ideal for obtaining spot measurements of machine vibration. Pressing the ON button activates the unit. A vibration reading is then obtained by simply holding the probe tip against the machine and observing the reading on the LCD indicator. Comparisons to a [vibration severity chart](#) indicate acceptance condition.

The Model 5500B provides push button selection of velocity or displacement. Pressing the ON button toggles the LCD readout between velocity and displacement readings.

Models 5500 and 5500B vibration meters are available with English or metric units. Pressing and holding the ON button will "freeze" the vibration reading such that the unit can be removed from the test point without losing the reading. Releasing the button returns the unit to normal operation.

Power is supplied by a standard 9V battery. A symbol appears on the LCD indicator when the battery is low. The instrument housing is made of high impact polymer. A carrying case with belt loop and battery are included. Optional accessories include a 10" probe extension for difficult to reach areas and a shaft rider fork for measuring the vibration of exposed shafts. Software (5493B) is available to trend vibration readings.

Features

- **Accurate, piezo-electric accelerometer sensor**
- **Quick vibration readings**
- **Velocity or displacement**
- **Includes reading "hold" feature**
- **Auto power off extends battery life**
- **Alkaline 9V battery included**
- **Model 5500 is intrinsically safe for hazardous areas**
- **True RMS velocity response**

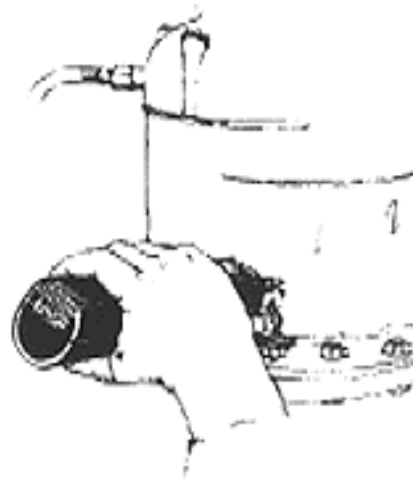
Applications

- **Supplement to FFT analyzers**
- **Motors**
- **Pumps**
- **Compressors**
- **Fans**
- **Natural Gas Engines**
- **Piping Vibration**
- **Check Vibration Instrument Readings**

Specifications

Function: Portable, hand held vibration indicator. Displays vibration

Typical Radial Vibration Casing Measurement



level on LCD Meter.

Measurands:

5500: Velocity units

5500B: Velocity and displacement units

Frequency Response: 10 to 1000 Hz

Temperature Range: -10° to +70°C (+14° to +158°F)

Hazard Rating (Model 5500)

CENELEC intrinsically safe certified EEx ia IIC T3

5500B: Non-hazardous locations

Power: Alkaline 9V Dry Cell

Vibration Ranges: See Table

Optional Probe Attachments:

Probe Extension and Shaft Rider Fork

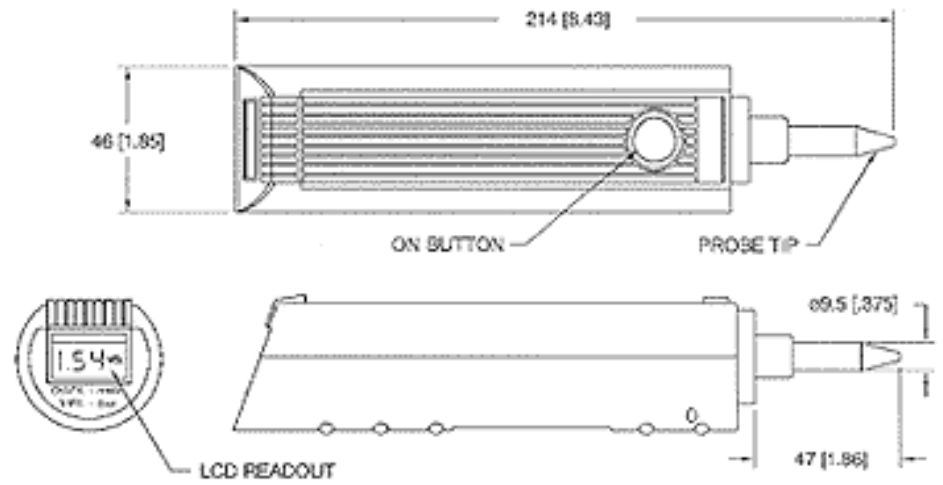
Verifying a Vibration Instrument Measurement



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Models 5500 & 5500B Weight & Dimensions



Weight:
Meter w/ Case
1.2 Kg [2.60 lbs.]

Dimensions in
mm [inches]