

654 VIBRATION METER AND MINI ANALYZER DESCRIPTION

The 654 Vibration Meter and Mini Analyzers allow you to measure and trend vibration levels of rotating equipment and isolate specific problems, for example, imbalance, looseness and misalignment, as well as worn or damaged components such as bearings, belts, shafts, couplings and gears. Early detection of a failing component will give you time to schedule repairs and have the replacement parts ready. The frequency of the 654 is broad, making it suitable for use on a wide range of equipment from low-speed machinery, such as cooling towers, to high-speed equipment like machining spindles. Vibration readings are given in mils, in/sec and g, which are the displacement, velocity and acceleration of the vibration, respectively. These readings can be the overall vibration of the equipment, or can be levels at specific frequencies as selected by the Tunable Band Pass Filter. The Tunable Band Pass Filter not only isolates frequencies associated with specific problems, but also allows you to obtain and trend the running speed in Revolutions Per Minute. This enables you to detect problems like belt slippage or overloading of your equipment.

The 654 is available in two styles:

- The 654A is a standard benchtop style, with carrying case and shoulder strap, to allow hands-free operation;
- The 654CS is a clipboard style for easy recording of your vibration data.

Both styles are lightweight and powered by rechargeable batteries for up to 40 hours of continuous use.