

The CSI 2140 Machinery Health Analyzer is a complete tool for assessing and preserving mechanical-equipment health.



Emerson Process Management has introduced the CSI 2140 Machinery Health Analyzer, the next generation of its portable tool for analyzing machinery vibration to detect potential

problems before they lead to unplanned downtime.

This new analyzer builds on the capabilities of Emerson's popular CSI 2130 to provide new four-channel simultaneous data collection functionality, wireless and Bluetooth communication, and a full-color touchscreen. The CSI 2140 also delivers the fastest route collection capability on the market, enabling workers to spend more time on higher-value tasks.

The new ergonomic shape and lighter weight of the CSI 2140 make data-collection routes easier on users. Data gathering is over 50% faster than with other analyzers, minimizing the time spent in uncomfortable or dangerous environments and allowing technicians to complete the collection more quickly. The screen is easy to read in both direct sunlight and dark areas, and auto-adjusts based on ambient lighting.

Help Where, When and How You Need It

Given the fact that more than 50% of mechanical issues are caused by bearing wear, effective monitoring of bearing health should be a key component of your reliability program. The CSI 2140 has you covered. With its four-channel data collection capabilities, users can gather vertical, horizontal and axial readings on a bearing at the same time. Using this data and Emerson's unique PeakVueTM technology, reliability technicians can detect compromised bearing performance earlier than with any other measurement technique. In addition, advanced diagnostics embedded in the CSI 2140 help users drive to the root cause of mechanical issues.

Most vibration programs require a cabled connection to the plant asset database to upload data for analysis. That's not the case with the CSI 2140: It can send collected data wirelessly from the field to the office. The technician can then continue on his/her route—or start another—with out a return trip to the maintenance shop. The data is also available for analysis by specialists at corporate headquarters or other locations.

Additional CSI 2140 capabilities allow users to perform single, dual or four-channel vibration analysis, cross-channel analysis, transient analysis, structural analysis, AC electric motor monitoring and 4-plane dynamic balancing—providing a complete, easy-to-use tool for fast, accurate assessment of rotating machinery health

Learn more about this game-changer at: www.assetweb.com/vibration



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