

For immediate release

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Emerson's next-generation vibration analyser enables faster data collection and analysis

CSI 2140 Machinery Health Analyzer provides 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 analysing machinery vibration to detect potential problems before they lead to unplanned downtime.

The new analyser 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-colour 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 analyser's new ergonomic shape and lighter weight make data-collection routes easier on users. Data collection is over 50 per cent faster than with other analysers, minimising 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.

Because over 50 per cent of mechanical issues are caused by bearing wear, effective monitoring of bearing health is a key component of a reliability programme. With four-channel data collection, users can collect vertical, horizontal, and axial readings on a bearing at the same time. Using this data and Emerson's unique PeakVue™ 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 in order to upload data for analysis. The CSI 2140 can send collected data wirelessly from the field to the office. Technicians can then continue on their route – or start another route – without 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 enable 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.

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Image 1:

<http://www2.emersonprocess.com/SiteCollectionImages/News%20Images/Emerson%27s%20CSI%202140%20Machinery%20Health%20Analyzer.jpg>

Caption: 'Emerson's CSI 2140 Machinery Health Analyzer offers speed and performance in data collection and field analysis'

Image 2:

<http://www2.emersonprocess.com/SiteCollectionImages/News%20Images/Emerson%27s%20CSI%202140.jpg>

Caption: 'Emerson's CSI 2140 offers simultaneous four-channel data collection - plus phase - for fast, efficient troubleshooting in the field'

Notes for the Editor

About Emerson Process Management

Emerson Process Management (www.EmersonProcess.com), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, mining and metals, food and beverage, life sciences and other industries. The company combines superior products and technology with industry-specific engineering, consulting, project management and maintenance services. Its brands include PlantWeb™, Syncade™, DeltaV™, Fisher®, Bettis™, Micro Motion®, Rosemount®, Daniel™, Ovation™ and AMS Suite.

About Emerson

Emerson based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to provide innovative solutions for customers in industrial, commercial, and consumer markets around the world. The company is comprised of five business segments: Process Management, Industrial Automation, Network Power, Climate Technologies, and Commercial & Residential Solutions. Sales in fiscal 2012 were \$24.4 billion. For more information, visit www.Emerson.com

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