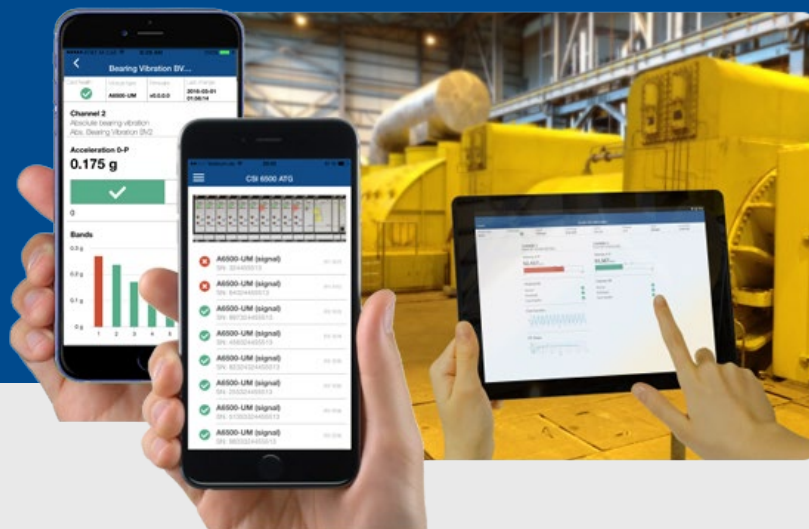


CSI 6500 ATG PROTECTION SYSTEM



NEED TO GET MORE BANG FOR YOUR BUDGET?

What if you could have the benefits of prediction for the cost of a protection system? Predictive intelligence is a key component to increasing availability and improving the reliability of plant assets, so getting prediction data from your protection system can be a big step towards understanding and improving your asset health.

Emerson's CSI 6500 ATG protection system has multi-functional cards that can be easily reconfigured for a wide range of measurements, including the data required to deliver predictive intelligence.

PREDICTION CAPABILITIES

Emerson's CSI 6500 ATG is a stand-alone machinery protection solution that also allows users to cost-effectively introduce prediction monitoring of critical assets from the same system. Predictive intelligence is the key to increasing availability and improving the reliability of plant assets.

With four reconfigurable cards the CSI 6500 ATG can acquire all the required TSI measurements, including prediction data measurements, such as the following:

- Relative shaft vibration
- Absolute shaft vibration
- Case vibration electrodynamic
- Case vibration piezo electric
- Relative displacement
- Thrust position
- Case expansion/Valve position

- Average rod drop
- Relative vibration hydro
- Absolute vibration hydro
- Eccentricity
- Speed
- Key
- Temperature
- Process parameter

The CSI 6500 ATG can accomplish both protection and prediction through the system communication card, plus, Emerson includes its unique PeakVue™ technology . . . technology that cuts through the complexity of machinery analysis to provide a simple, reliable indication of equipment health.

PeakVue works through a single trend that filters out traditional vibration signals to focus exclusively on impacting. This focus provides a much better indicator of overall asset health on pumps, fans, motors, or any other type of rolling-element bearing machine.

FAMILIAR FUNCTIONALITY

System setup is accomplished through the Machine Studio configuration software. The user interface has a similar look and feel to other Emerson software modules, making it familiar and easy to use. While connected, the user has access to the integrated prediction functionality.

VIEW PROBLEMS IN REAL TIME

The system comes with ATG View, a mobile application that receives data from the CSI 6500 ATG via Ethernet and/or wireless router. Authorized users can then see the protection status and health data on a PC or device of their choice anywhere on the plant's Wi-Fi network. Devices supported include Apple iOS and Android phones and tablets. With ATG View, the reliability professional can see the overall health of his system, the status of alarms, external inputs such as bypasses, and outputs such as trips and whether they are active or not. The CSI 6500 ATG presents all available information about the critical machine such as main value, trending data, status data and predictive data such as PeakVue value.

OPC SERVER HELPS YOU INTEGRATE TO 3RD PARTY SYSTEMS

To facilitate easy system integration with third party systems, CSI 6500 ATG is the first protection system to include a secure embedded OPC UA server. The CSI 6500 ATG system complies with the traditional API 670 certification and is certified for installation in demanding environments where Class 1 Div2/ATEX Zone 2 approvals are required.



ATG View delivers asset health information to the user anywhere on the plant network.

Studies show that it costs 50% more to repair a machine after it has failed versus predicting the failure and thus planning for the repair costs. For users whose budget doesn't cover the cost of both a protection and a prediction system, getting prediction data from a protection system is an incremental step towards improving the insight on asset health.

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**Emerson Process Management
Reliability Solutions**
835 Innovation Drive
Knoxville, TN 37932
T (865) 675-2400
www.emersonprocess.com/csi


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Process Management