

WIRELESS TECHNOLOGY FOR COST-EFFECTIVENESS, SAFETY, AND CONVENIENCE

airius
WIRELESS VIBRATION SENSOR

Providing warning of vibration-related problems as well as gear and bearing faults, Airius® is a wireless, battery-powered vibration sensor made for remote condition monitoring of standard production equipment. The sensor is ideal anywhere the wireless transfer of vibration data is practical, or even a matter of safety.

Designed and manufactured by SPM Instrument, the sensor builds on fifty years of experience in developing reliable and industry-leading solutions for condition monitoring.

CONNECTIVITY MADE EASY

The Airius sensors makes online condition monitoring easy. It is easy to start small with the cloud-based application Condmaster.NET®, providing easy access to measurement data through a user-friendly graphical interface, then expand with the sophisticated analysis and diagnostic software Condmaster® Ruby.



INDUSTRY-LEADING MEASUREMENT TECHNOLOGY

Airius is a MEMS type sensor with digital output, measuring triaxial vibration and temperature. The sensor comes in two versions; one measuring in the 10-1000 Hz frequency range, the other between 2-1000Hz and 10-5000 Hz with envelope measurement capabilities. Airius supports several different vibration measurement assignments per sensor, with a user-defined number of time-based daily measurements.

EASY INTEGRATION AND TROUBLE-FREE USE

Practical and robust, the Airius sensors have a compact design and an efficient and energy-saving communication protocol. The careful design and optimal choice of battery technology ensure years of troublefree use and stable monitoring. Using the well-established WiFi data transfer technology, Airius is an easy-to-implement solution that works well within existing IT environments.

EFFORTLESS SETUP

Airius does not require any supplementary equipment besides WiFi routers. The SPM Connect App, downloadable for mobile devices, is used to configure the necessary communication parameters to connect to the database.

Once installed and configured, the Airius sensors are managed and run alongside SPM measurement systems. REST API support allows other devices or process control systems to retrieve vibration data from the sensor.

CONNECTIVITY DOESN'T HAVE TO BE COMPLICATED



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