

Vibration monitoring solutions

Paper and pulp



In the paper industry, minimizing unplanned and unnecessary shutdowns is crucial when productivity is measured by the minute. Strict maintenance schedules and health and safety regulations of machinery can often limit maintenance personnel in their task of vibration monitoring. Hot and wet environments and tight monitoring spaces are some of the issues that must be considered when implementing vibration monitoring systems.

Wilcoxon offers a variety of solutions to fulfill the demands of the paper industry for permanent or walkaround data collection. Wilcoxon sensors are available in top and side exit for easy data retrieval, as well as compact sizes for machinery with limited monitoring space. High temperature sensors, a variety of junction boxes and water resistant cable assemblies all help to ensure the reliability of data.

Monitored Machinery

- Pulverizers
- Motors
- Feed pumps
- Mixers
- Hydropulpers
- Fans
- Gearboxes
- Vacuum pumps
- Hydraulic pumps
- Press rolls
- Rolls and drivers
- Dryers
- Boilers
- Calendar stacks
- Winders

Plant environment



Temperature
HIGH



Moisture
HIGH



Chemical exposure
HIGH

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High temperature solutions

Recommended products: FireFet series HT786A / HT787A



Many dryer sections reach high temperatures that can deteriorate most accelerometers. Our high temperature sensors are made for machinery operating in conditions up to 150°C (302°F) and are designed with high quality components specially rated for high temperature environments. 316L stainless steel casings are chlorine resistant and ideal for paper machinery.



Wilcoxon® HT786A and HT787A are made for high temperature environments, designed with rugged electronics and casings, are 100% factory tested at temperature, and proven to last longer than any other sensors in their class.

Cable & connector assemblies

Recommended product: 6Q / 6QI connector, J9T2A cable

Wilcoxon® 6Q Viton® boot connectors provide the best sealing and protection against water intrusion. The 6Q series are rugged and offer tight sealing technology with multiple locking seals and threads that grip the sensor, creating an airtight, waterproof seal. IP68 rated for continuous immersion in water and successfully tested up to 100 psi (230 ft/70 m). Manufactured using Viton® B fluorelastomer, the connectors can operate in temperatures up to 200°C (392°F), and are highly resistant to most industrial chemicals including oils, fuels, lubricants and most mineral acids. Our twisted, shielded pair J9T2A cable offers superior durability with a thick Teflon® jacket rated from -80 to +200°C. When paired with the 6Q connector, the assembly offers the most rugged and lasting protection in high temperature environments.



Enclosures

Recommended products: VL series, CB2 / CB4 boxes

To adhere with strict maintenance schedules, safety guidelines, and ensure ease of access, accelerometers can be permanently installed for remote data access. Our wide selection of Wilcoxon® junction and switch boxes are designed for easy installation, safety, and fast data collection. A variety of enclosures are available including cable reduction boxes for short cable runs, 2-4 channel BNC connection boxes, and expandable switch boxes with up to 48 channels per box.



Contact us for more information on vibration monitoring products for your paper mill or pulp plant

Our products are backed by decades of industry experience, reliable customer service, and lifetime warranty on our most popular items.