

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.

Meggitt offers a variety of solutions to fulfill the demands of the paper industry for permanent or walkaround data collection. Wilcoxon Research® 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 levels
HIGH

Meggitt Sensing Systems
20511 Seneca Meadows Parkway
Germantown MD 20876 USA
+1 (301) 330 8811

wilcoxon@meggitt.com
www.wilcoxon.com

MEGGITT
smart engineering for
extreme environments

Paper and pulp vibration monitoring solutions



High temperature sensors

Recommended products: FireFET series 793-6 / 797-6

Many dryer sections reach high temperatures that would deteriorate most accelerometers. Our robust 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 Research® 793-6 and 797-6 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 Research® 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® jacketed covering 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 Research® 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 Meggitt Sensing Systems for more information on vibration monitoring products for your paper mill or plant.

Our products are backed by over 50 years of industry experience, reliable customer service, and lifetime warranty on our most popular items.

wilcoxon@meggitt.com - www.wilcoxon.com - +1 (301) 330 8811

