

CTC proudly offers three comprehensive product lines to meet your industrial vibration monitoring needs. Our products reflect the input from customers and distributors around the world and are designed and tested to meet the real-world demands of plant environments. We believe our products are the highest quality on the market, which is why we back each product line with our best-in-class warranties.



VIBRATION ANALYSIS HARDWARE

BACKED BY THE CTC LINE'S UNCONDITIONAL LIFETIME WARRANTY

INDUSTRIAL ACCELEROMETERS

CTC offers a complete line of industrial accelerometers. Our rugged industrial accelerometers are available in single axis, biaxial, and triaxial designs, and in standard, compact, and miniature sizes. Many configurations allow for either top or side exit options. Side exit configurations are suitable for installations in areas where height is an issue. CTC's industrial accelerometers support a diverse set of applications with sensitivity values ranging from 10 mV/g to 1000 mV/g. Dual output configurations allow for vibration and temperature outputs. CTC also offers Piezo Velocity Accelerometers, High Temperature Accelerometers, and Low Power Accelerometers. Hazardous Rated options are also available.



SPECIALTY ACCELEROMETERS

CTC offers the industry's most durable and reliable specialty accelerometers for use in a wide variety of unique industrial applications. CTC's portfolio of specialty accelerometers includes our dynamic vibration IEPE Ultrasound Sensor, fully-molded Underwater Accelerometers with sensitivity values ranging from 10 mV/g to 100 mV/g, and low frequency Wind Turbine Accelerometers with 500 mV/g sensitivity, available in top and side exit options.



4-20mA SOLUTIONS

CTC offers a wide array of 4-20mA output solutions for industrial applications. CTC's standard 4-20mA Loop Powered Vibration Sensors are available with velocity as well as acceleration output measurement options. CTC's loop-powered sensor line also includes a dual output option, with both 4-20mA output and dynamic output configurations in one sensor. Other options include 24 VDC powered transmitters that power standard IEPE accelerometers and convert the vibration to a powered 4-20mA signal. These transmitters also offer a 4-20mA output for temperature when coupled with CTC dual output vibration and temperature sensors.



INDUSTRIAL CABLES & CONNECTORS

CTC offers a wide variety of the world's most durable industrial cables and connectors designed for reliable performance for all applications and environmental criteria. Cable jacket types include: Fluorinated Ethylene Propylene (FEP), Polyurethane, Lightweight Polyurethane, PVC, Thermoplastic Elastomer (TPE), and Low Smoke Zero Halogen. Cable armor options include: Stainless Steel Braided Sheathing, Stainless Steel Armor, and Hydraulic Hose Armor. Cable conductor options include: 2 Conductor, 3 Conductor, 4 Conductor, 6 Conductor, 8 Pair Multi Conductor, 12 Pair Multi Conductor, 16 Pair Multi Conductor, and 12 Triad Multi Conductor. Class 1, Division 2 Hazardous Rated cables are also available.

CTC also offers an extensive variety of standard and specialty connectors for every possible application. CTC sensor connectors support temperatures ranging from -58 ° F to 325 ° F (-58 ° C to 163 ° C). A wide selection of connectors supporting IP (Ingress Protection) ranging from IP66 to IP68 is available.



JUNCTION BOXES

CTC offers the widest variety of junction boxes in the world. Our junction box solutions allow for the monitoring of remotely mounted vibration sensors, which would be otherwise restricted to human access due to safety considerations. Our durable boxes are available in stainless steel and fiberglass casing options, and a wide range of channel options. Also offered is a selection of low-cost cable termination boxes that allow multiple measurement points to be routed to a single location to gather data. Many CTC junction boxes offer continuous output options for direct interface to online monitoring systems.



MOUNTING HARDWARE

CTC offers a complete line of mounting hardware for vibration analysis products. Our mounting hardware selection includes Mounting Studs available in a variety of lengths and thread options, Motor Fin Mount Pads in a variety of lengths and widths, Accelerometer Quick Disconnect receptacles and studs, Flat Surface and Multipurpose Magnetic Bases in a variety of diameters, heights and pull strengths, and Probe Tips for Portable Measurement in a variety of lengths.





PROTECTION & RELIABILITY INSTRUMENTS

BACKED BY THE PRO LINE'S LIFETIME WARRANTY ON MATERIALS AND WORKMANSHIP

PROXIMITY PROBES

CTC offers the industry's most rugged and reliable Proximity Probe Sets, including Proximity Probes, Proximity Probe Drivers, and Extension Cables. CTC PRO Line Proximity Probes are available in 8 mm, 11 mm, and 25 mm Systems, with a total length of either 7 or 9 meters, and FFv 5 mm Systems with a total length of either 5 or 7 meters. Length is measured from the probe tip to the driver. CTC proximity probes are also available in standard mount, reverse mount, and armor jacketed cable options. Proximity Probe Drivers are available in DIN Rail or panel mount options. Hazardous Rated Proximity Probe Sets are also available in hazardous rated configurations.



WIRELESS SERIES

CTC's Wireless Series offers an innovative, cutting-edge way to connect permanent vibration monitoring installations. The PRO Line's WA100 Wireless Series features industrial wireless transmitters and customized software to enable seamless data collection without the need for standard connectors, cabling, or junction boxes. The wireless transmitters are designed to work with AC312 and AC314 Low Power Accelerometers. The transmitter's fully-molded design allows for a wide variety of industrial applications across many industries.





TEST & MEASUREMENT PRODUCTS

BACKED BY THE TMP LINE'S INDUSTRY-LEADING 5 YEAR WARRANTY ON MATERIALS AND WORKMANSHIP ON STANDARD SENSORS, AND 3 YEAR WARRANTY ON MATERIALS AND WORKMANSHIP FOR ALL ACCESSORIES, CABLES, CONNECTORS, CUSTOM PRODUCTS, AND PRIVATE LABELED PRODUCTS

TEST & MEASUREMENT ACCELEROMETERS

CTC offers a range of lightweight accelerometers in top and side exit configurations for your research and design applications. Test & Measurement Accelerometers are available with ranges of 10 mV/g and 100 mV/g sensitivity options.



TEST & MEASUREMENT CONNECTORS AND CABLES

CTC offers a variety of coaxial Test & Measurement Cables available in FEP, PVC, or PTFE jacket options. Test & Measurement Connectors are available in BNC jack, BNC male plug, and 10-32 male connector options.



MOUNTING HARDWARE

CTC offers lightweight Mounting Pads, Mounting Magnets, and Adhesives for your research and design applications.

