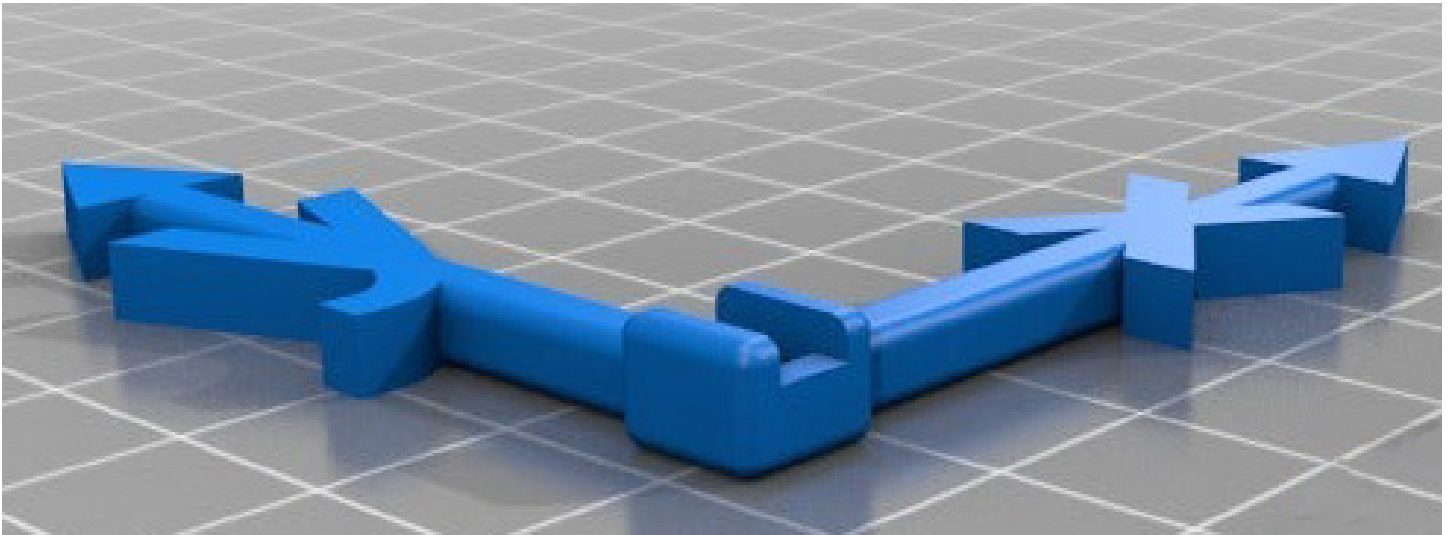


Biaxial Accelerometers: BENEFITS AND APPLICATIONS



**WHEN RELIABILITY MATTERS
CONNECT TO CONFIDENCE**

Measuring vibration in two axes simultaneously can help analysts pinpoint possible failure modes in many different applications. While triaxial accelerometers have become very popular for machinery analysis due to the increasing use of multi-channel data collectors and the improved speed they provide in capturing data for route collection, biaxial accelerometers also have a place as a lower cost option to triaxial sensors for applications where all three axes are not required.



Biaxial accelerometers are primarily used in applications where 2 axes must be monitored simultaneously. By proper choice of the mounting position the installer can choose which two axes the sensor will be taking data from. Mounting a sensor on the top of the bearing will give X/Y readings while mounting on the face of the bearing will give either X/Z or Y/Z readings, depending on the orientation of the sensor.



AC119-1D

Biaxial sensors are also indicated for use when taking readings on what might be termed "linear" applications such as railroad tracks and bridge supports, where the expected vibrations will primarily be in only two planes.



Bridge monitoring is probably best accomplished using both biaxial sensor (in the anchoring locations such as suspension towers and at the land connections) and triaxial sensors along the suspended portions of the bridge.

CTC is the world leader in the design and manufacture of industrial accelerometers, piezo velocity transducers, 4-20 mA vibration sensors, and proximity probes as well as all related mounting hardware, cabling, and junction boxes. Our products enable efficient vibration monitoring for predictive maintenance in a wide variety of industries. Industries served include cement, mining, petrochemical, food & beverage, auto, steel, wind, paper & pulp, power generation, water & wastewater treatment, pharmaceutical, hospitals, bottling, and more. Our mission is to offer the widest variety of accelerometers and vibration hardware products, which are compatible with data collectors and online monitoring systems, as well as the tools for installation.



The CTC product line features vibration analysis hardware for heavy industry.

All CTC products are backed by our unconditional, lifetime warranty. If any CTC product should ever fail, we will repair or replace it at no charge.



The PRO line offers the industry's most reliable proximity probe sets.

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