

## Overview

All CTC accelerometers feature a welded stainless-steel construction for survival in harsh factory environments. A dual case design shields the sensing element from RFI & EMI interference. PZT ceramic sensing elements are utilized to provide the highest signal to noise ratio available. This is critical for use with data collectors, which often integrate an acceleration signal to velocity. Low Frequency noise (ski slopes) are avoided by utilizing an accelerometer with a low noise PZT ceramic sensing element. Shear mode element construction is utilized in low frequency models, which virtually eliminates erroneous output due to thermal transient interference. Two pin MIL spec connectors are used to carry the signal output from the accelerometer, protecting the shielding and hermetic sealing of the accelerometer. To ensure the highest quality product, 100% of CTC sensors are individually helium leak tested and all CTC labelled sensors are backed by our unconditional lifetime warranty.



## PZT Sensing Elements

CTC accelerometers use PZT (lead zirconate titanate) over quartz sensing elements due to its high charge output and sensitivity over lower vibration levels. CTC's precision PZT ceramic shear mode sensing structure is integral to ensuring accurate and interference free vibration measurements.

## Lifetime Calibration Service

CTC will recalibrate any vibration sensor that we manufacture once a year at no charge. Simply call one of our customer service representatives to request a Return Merchandise Authorization number, and send your vibration sensor back for a free NIST traceable recalibration.



## Unconditional Lifetime Warranty

CTC vibration sensors are guaranteed for life. If any CTC vibration sensor ever fails, call one of our customer service representatives to request a Return Merchandise Authorization number, and send it back for a repair or replacement.

