



- **Gas Turbine / Aero Derivative Applications**
- **100mV/g or 10mV/g sensitivity**
- **240°C Transducer Operation**
- **Integral low noise cable with separate charge amplifier**
- **Fully sealed transducer and conduit assembly**
- **Field proven design for heavy industrial environments**

The PZHT accelerometer is a robust, hermetically sealed instrument suitable for operation in high temperature, heavy industrial environments, such as those found in gas turbine applications. The vibration transducer consists of a piezoelectric sensor, integral low noise cable contained in a stainless steel convoluted flexible conduit connected to a charge amplifier unit. This arrangement removes the electronic signal conditioning components from the high temperature environment and provides a 3-wire voltage arrangement at an industry standard sensitivity.

The accelerometer head sensing elements and charge amplifier circuits are completely isolated from the external components, offering excellent low noise performance in conjunction with immunity to high electrical noise environments. Field proven and established for over 15 years this design also offers ATEX approval to the highest standard for use in intrinsically safe applications.

