

**PCB PIEZOTRONICS INTRODUCES NEW HIGH TEMPERATURE ICP<sup>®</sup>****INDUSTRIAL ACCELEROMETER**

PCB Piezotronics, a world leader in vibration, acoustic, pressure, force and torque sensors, has introduced a new high temperature ICP<sup>®</sup> (IEPE) industrial accelerometer that is capable of operation up to 163°C. The new HT602D01 is ideal for paper machines and similar applications where high humidity and dusty environments would cause problems for alternative charge mode sensors.

The sensing element of the HT602D01 provides nominal sensitivity of 100mV/g over a frequency range of 0.5 to 8000Hz ( $\pm 3$ dB). Unlike many sensors on the market, PCB Piezotronics' HT602D01 uses a shear sensing element to minimise the base bending and thermal transient effects that occur in conventional compression mode accelerometers. This renders the HT602D01 accelerometer far less sensitive to unwanted electrical output and leads to more accurate measurement of the actual vibration event.

Featuring a 2-pin MIL connector, the sensor can be used as a drop-in replacement for many existing accelerometers but offers the higher temperature range compared with conventional industrial devices. It is priced very competitively against charge mode equivalents and possesses a number of other features that assist in making vibration measurements easier. These include a 360° swivel mount that allows for easy cable orientation and minimises the restrictions of cable bend radius; hermetically sealed stainless steel sensor housing with optional PTFE jacketed cables to eliminate the restrictions of lower cost polyurethane cables in the presence of acid fumes; and case isolated to prevent ground loops.

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All standard PCB sensors and products are supplied with a two-year warranty and the company also offers to all customers, at no charge, 24-hour emergency telephone support.

This service makes product and application support available to customers and end-users, day or night, seven days per week.

### **About PCB Piezotronics**

PCB Piezotronics is a world leader in the manufacture of piezoelectric sensors, accelerometers and associated electronics for the measurement of dynamic pressure, force and vibration. The company's ICP<sup>®</sup> sensors incorporating microelectronic signal conditioning circuitry within the sensor housing are an industry standard and their widespread popularity has made PCB Piezotronics an enduring success worldwide.

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