

In-Line Charge Converters

For Conditioning High-Temperature, Charge Mode, Piezoelectric Sensors

- Condition Signals from Charge Mode Piezoelectric Sensors
- Convert High Impedance Charge Signals into Low Impedance Voltage Signals
- Tolerate Low Insulation-Resistance Inputs, which may be Encountered with High-Temperature Sensors
- Operate with ICP® Sensor Signal Conditioners or Readout Devices Having an ICP Sensor Input
- Fixed Charge Conversion Regardless of Input Capacitance
- Optional TEDS Memory Circuitry (Transducer Electronic Data Sheet) in Compliance with IEEE P1451.4 Standards

Models 422E35 and 422E36 serve to convert charge mode piezoelectric sensor signals into low-impedance voltage signals for input to readout, recording, and analysis instruments. These units are especially well suited for use with high-temperature, piezoelectric acceleration, pressure, and force sensors, since they will accept source resistances as low as 10k ohm.



Models 422E35 and 422E36
In-Line Charge Converters Condition Signals
from Charge Mode Piezoelectric Sensors
Operating in High Temperature Environments

The insulation resistance of a charge mode sensor will be reduced as its temperature is raised. At temperatures above 400 °F (204 °C) this resistance could be lowered to a level, which may cause typical charge converters to shut off. The 422E35 and 422E36 avoid this dilemma by their design, which is specifically tailored to accommodate low source resistances.

As with all equipment from PCB®, these charge converters are complemented with toll-free applications assistance, 24-hour customer service, and are backed by a **Total Customer Satisfaction Guarantee**.