

NI-9232 C Series Sound and Vibration Input Module

The NI-9232 can measure signals from integrated electronic piezoelectric (IEPE) and non-IEPE sensors such as accelerometers, tachometers, and proximity probes. Provides dynamic signal acquisition in sound and vibration applications for CompactDAQ and CompactRIO systems. This Sound and Vibration Input Module comes equipped with a 13.1072 MHz internal master time base. This module also can export its master time base and can accept a master time base from an external source. To synch the NI-9232 with other modules operating with master time bases, users must ensure that all of the modules under consideration must share a common master time base source. This module offers 60 VDC continuous channel-to-earth ground isolation and is tested to withstand 1,000 Vrms surge voltage.

Features

- » 4 AI, ± 5 V, 24 Bit, 51.2 kS/s/ch Simultaneous, AC/DC Coupling, IEPE AC Coupling
- » Software-selectable AC/DC coupling (AC coupled at 0.5 Hz)
- » Software-selectable IEPE signal conditioning with AC coupling (2 mA)
- » -40°C to 70°C operating, 5 g vibration, 50 g shock
- » 24-bit resolution
- » Anti-aliasing filters
- » 102 dB dynamic range
- » Smart TEDS sensor compatibility

