

NI 9230

±30 V, IEPE, AC/DC Analog Input, 12.8 kS/s/ch, 3 Ch Module

- 3 channels, 12.8 kS/s per channel simultaneous AI; 5.12 kHz bandwidth
- ±30 V input, 24-bit resolution, >100 dB dynamic range
- Software-selectable AC/DC coupling; AC coupled (0.1 Hz)
- Software-selectable IEPE signal conditioning (0 or 4 mA); IEPE open/short detection
- Smart TEDS sensor compatibility
- -40 °C to 70 °C operating range, 5 g vibration, 50 g shock



Übersicht

The NI 9230 is a 3-channel C Series dynamic signal acquisition module for making industrial measurements from integrated electronic piezoelectric (IEPE) and non-IEPE sensors with CompactDAQ or CompactRIO systems.

The NI 9230 delivers >100 dB of dynamic range and incorporates software-selectable AC/DC coupling and IEPE signal conditioning for accelerometers, tachometers, and proximity probes. The three input channels simultaneously digitize signals at rates up to 12.8 kHz per channel with built-in anti-aliasing filters that automatically adjust to your sampling rate.

EMC Performance

To ensure EMC compliance, you must use a ferrite bead, such as part number 782802-01.

Recommended Software

NI sound and vibration analysis software, including the Sound and Vibration Measurement Suite and the Sound and Vibration Toolkit, provides signal processing functionality for performing condition monitoring and machine diagnostics including frequency analysis, order tracking, and display techniques such as orbit plots and shaft centerlines.

Recommended Accessories

-NI 9971 strain relief and operator protection

-EMI suppression ferrite for NI 9230/9232 (part number 782802-01)

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Box Contents

-1 NI 9230 C Series module

-1 NI 9230 Operating Instructions and Specifications manual

Spezifikationen

Überblick über Spezifikationen

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