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Find the *National Instruments PXI-4220* at our website: *Click HERE*

Technical Sales
United States
(866) 531-6285
info@ni.com

NI PXI-4220

Strain, Pressure, Force, Load Sensor Input

- For new designs, NI recommends the NI PXIe-4330 or NI PXIe-4331.
- 2 channels that are programmable per channel for quarter-, half-, and full-bridge sensors
- Dual shunt calibration circuits and programmatic bridge-nulling circuitry per channel
- Programmable 4-pole Butterworth filter (10 Hz, 100 Hz, 1 kHz, 10 kHz, bypass) per channel
- Automatic module synchronization through PXI backplane and programmable gain (1 to 1000) per channel
- NI-DAQmx driver for device configuration, automatic code generation, and simplified measurements



Overview

The NI PXI-4220 is a full-featured DAQ module with dual 16-bit inputs for quarter-, half-, and full-bridge sensors, such as strain gages, load cells, and pressure sensors. Bridge configuration, excitation, amplification, and filtering are fully programmable per channel. In addition, the PXI-4220 provides simultaneous-sample-and-hold capability to eliminate phase delay between channels. Each input channel of the module includes a 9-pin D-SUB connector for easy connection to bridge sensors, and programmable shunt and null calibration circuitry to improve measurement accuracy by eliminating gain and offset errors.

In addition, the PXI-4220 is designed to work with the NI LabVIEW graphical system design platform and NI-DAQmx driver and measurement services software. In LabVIEW, you can use the DAQ Assistant to configure the module and acquire data through a menu-based window, eliminating the need to manually program the device.

Pricing

NI PXI-4220 Packages

To use the NI PXI-4220 , you need all items in the diagram below. Select Option 1 if you already own a PXI System, or Option 2 if you do not already own a chassis, controller, or software.

Roll over the icons below to learn why you need each item in the system

PXI System

NI PXI-4220	Chassis	Controller	Software

- Option 1: **NI PXI-4220 and Accessories Only**
- Option 2: **PXI System**

NI PXI-4220 - 778745-4220	Qty	$ 2,080 each

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