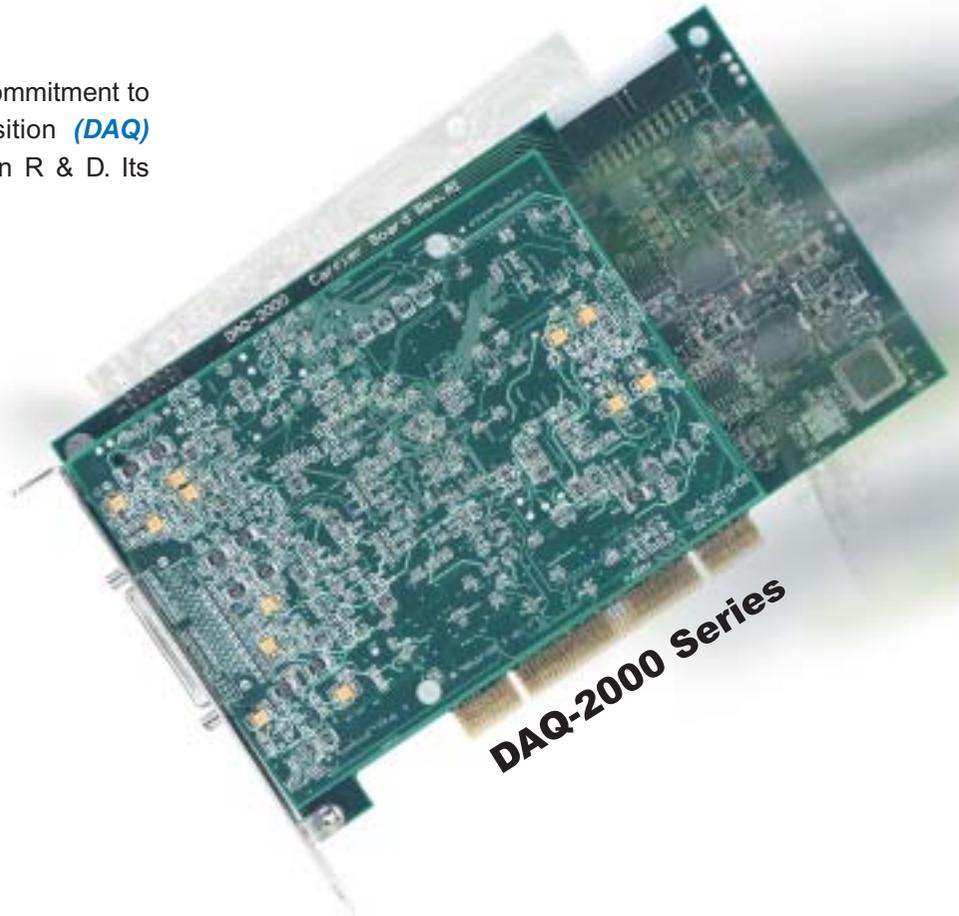


PXI-2000 Series-The Smart DAQ Solutions

The **PXI-2000** series is the result of the commitment to provide high performance Data Acquisition (**DAQ**) solutions by the continuous investment in R & D. Its benefits include:



Simultaneous operation

The PXI-2000 series are able to perform analog input and output functions at full speed simultaneously. The special intelligent timing control logic and data buffer management allows high-speed data I/O throughput at the same time.

Superior immunity to noise

The modular design of the PXI-2000 separates the digital circuitry and analog device into two-board piggy-back configurations. The isolation of digital and analog circuitry provides optimal digital noise immunity. Additionally, a special custom power regulation unit is implemented to provide stable and clean power for the system. This DC/DC circuitry greatly reduces the noise induced by the power supply.

Custom design instrumentation amplifier

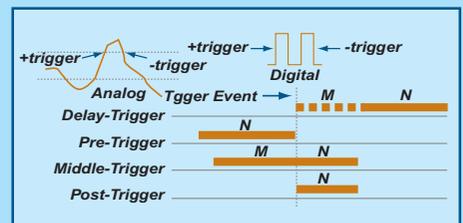
Most commercial amplifiers offer limited frequency response under 1MHz. This makes scanning multiple channels at fast rates and high gain with accurate data impossible. Our custom-designed instrumentation amplifier provides faster settling times to ensure signals are clean before A/D conversion.

Versatile random channel sampling and gain settings

The PXI-2200 series can scan up to 64 channels of data and sample each channel in any order at maximum conversion rates. Each channel can be individually configured with varying gain, as unipolar or bipolar, as single-ended or differential. This makes it possible to measure fast, slow, large, and small signals in one system.

Analog and digital triggering

Data acquisition can be started before or after the trigger event. Trigger signals can be analog threshold or digital. There are four trigger modes available:



Pre-trigger, Post-trigger, Middle trigger, and Delay trigger. Post-trigger and Delay trigger modes allow successive triggers in order to capture repeated bursts of data.