

# Instrument Control with NI LabVIEW SignalExpress

## *What Is LabVIEW SignalExpress?*

National Instruments LabVIEW SignalExpress, the newest addition to the NI LabVIEW family, is interactive measurement software for acquiring, analyzing, and presenting your data without programming. Using the intuitive drag-and-drop LabVIEW SignalExpress environment, you can connect to and control more than 400 of the most common stand-alone and modular instruments with just a few mouse clicks.

LabVIEW SignalExpress makes it easy to automate common measurement tasks such as circuit characterization, frequency sweeping, and data logging – saving you valuable lab hours.



## *LabVIEW SignalExpress Features*

Feature	Description
Control of more than 400 instruments	Take advantage of a single software environment for connecting to and controlling more than 400 instruments via USB, GPIB, Ethernet/LAN, PCI, and PXI.
Drag-and-drop data view	Visualize acquired data by dragging and dropping the data onto a graph or chart. You also can view data using LabVIEW thermometers, gauges, meters, and LEDs.
Signal processing and data analysis	Perform live and offline analysis for common signal processing and data analysis tasks.
Interactive reports	Create customized reports by dragging and dropping graphs and text. You can send reports directly to the printer or open them in a Web browser.
Automatic sweeping and limit testing	Automate many common measurements such as stimulus response and circuit characterizations
One-button data logging	Press the record button and select the channels to record to begin streaming data to disk.
Ability to import SPICE simulations	Import simulated results and compare them with actual measured results live on your screen.
Automatic LabVIEW code generation	Convert your LabVIEW SignalExpress projects to graphical code to create custom user interfaces, add custom logic, or perform additional analysis and processing.

For more information on instrument control with LabVIEW SignalExpress, visit [ni.com/labview/signalexpress/instrumentcontrol.htm](http://ni.com/labview/signalexpress/instrumentcontrol.htm).

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