

dataTec

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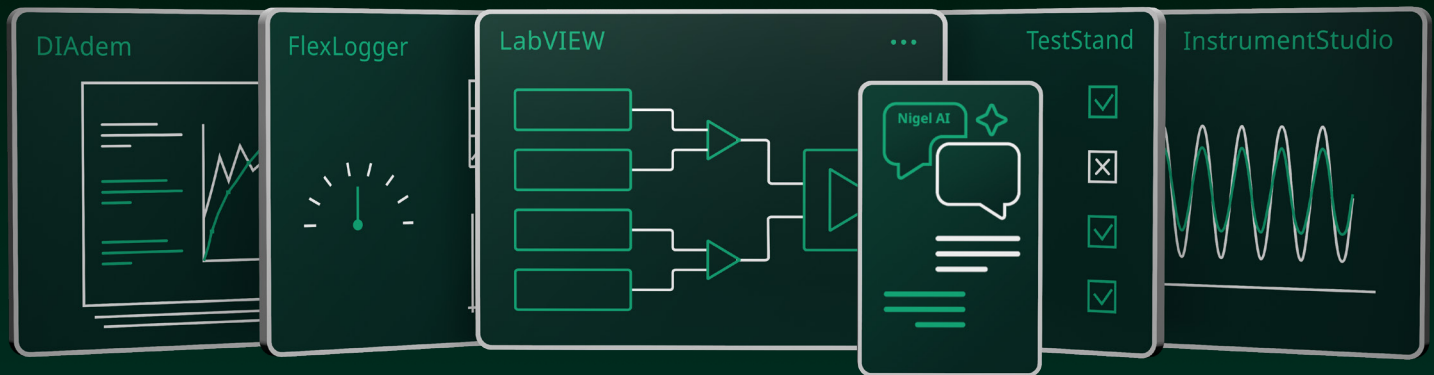
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Mess- und Prüftechnik. Die Experten.

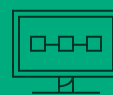


NI LabVIEW+ Suite

Now with the first test-optimized AI: NI Nigel™ AI

Engineers Already Trust LabVIEW

NI LabVIEW provides the most productive and reliable way to engineer test and measurement systems—connecting software to the real world. It is an AI-enhanced graphical programming environment that provides an intuitive approach to programming, connectivity to any instrument, and fully integrated user interfaces.



Built for Complex, Mission-Critical Test Systems

Use graphical system representation with high-quality hardware and IP.



Accelerate Productivity with Nigel AI

Generate code, get domain specific advice, and automate tasks.



Open, Secure, and Flexible Ecosystem

Combine trusted technology with open tools, languages, and platforms.

Companies that standardize on LabVIEW benefit from improvements in development time, test coverage, and code reuse.

Adding to LabVIEW to Support You Across Your Workflow

The LabVIEW+ Suite brings together LabVIEW plus the best of NI test software—saving engineers time by optimizing every part of their workflow. Each software application includes capabilities designed to accelerate test and work together to help get the job done faster.

See how LabVIEW+ can help you with validation, production, and physical test:

Electronics Validation Test

With the LabVIEW+ Suite, you can configure, visualize, and automate measurements, analyze your data, and share reports more quickly.

LabVIEW+ allows you to adapt to changing requirements with tools to efficiently develop new measurements, integrate them into existing programs, and evaluate the results.

Powered by:



Electronics Production Test

The LabVIEW+ Suite helps you build measurements and test steps into comprehensive test sequences so products are fully tested before they leave manufacturing.

LabVIEW+ also has tools to increase throughput with parallel test that aid in deploying your test program to your manufacturing floor.

Powered by:



Physical Test

The LabVIEW+ Suite helps you take all the measurements you need and analyze the data to report back to your team.

With LabVIEW+, you can set up comprehensive data logging systems with custom functionality and automate reports to share the data you produce.

Powered by:



LabVIEW



TestStand



Nigel AI



DIADEM

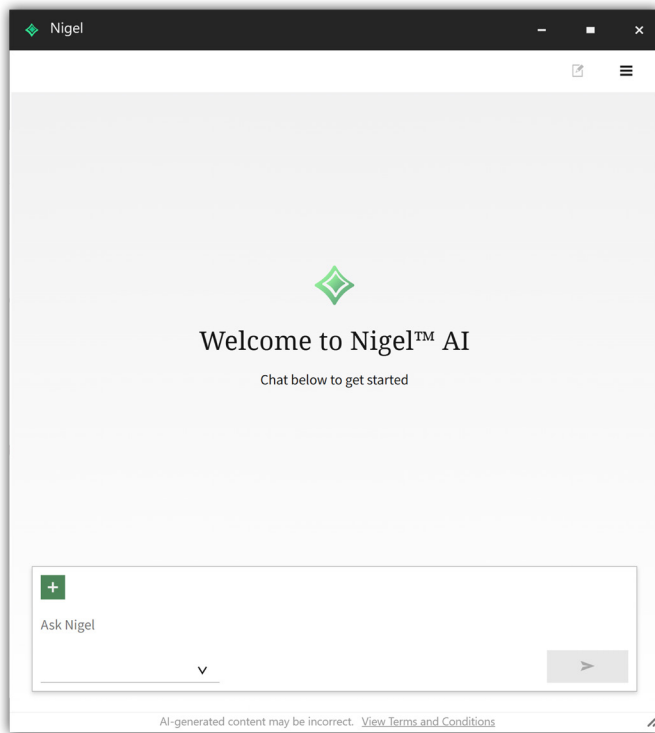


FlexLogger™



InstrumentStudio™

Nigel AI Is Integrated Across the LabVIEW+ Suite



Unlike general-purpose AIs, Nigel is built for test and measurement—equipped with our extensive domain expertise and integrated into our platform to deliver smarter, more relevant answers.

Test Expertise

Nigel has been taught test system design, methodologies, and data analysis so you can get instant information on best practices, measurement setup, and more.

Accelerate Productivity

Nigel AI is integrated into LabVIEW+ to help you build test systems faster. Nigel can generate code, automate tasks, and provide development guidance to maximize your productivity.

Multiply LabVIEW Benefits

The suite amplifies the traditional productivity benefits of LabVIEW by adding more software with specialized capabilities for even greater efficiency.



Reduce Development and Maintenance Time

The LabVIEW+ Suite saves you time with out-of-the-box software and features so you don't need to build it all yourself.



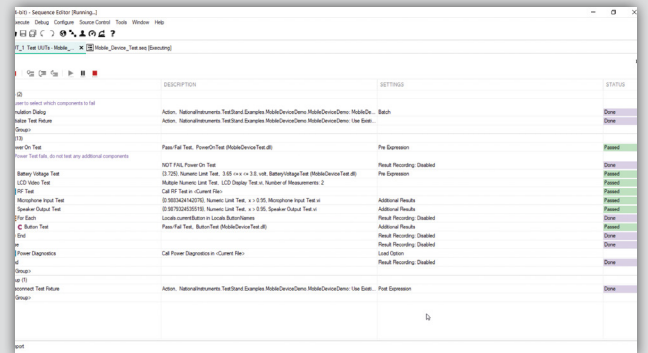
Improve Data Analysis and Utilization

The LabVIEW + Suite helps you gather insights from your data with built-in analysis tools and share those insights with your team.



Future-Proof Your System

NI software is designed for today and tomorrow. The LabVIEW+ Suite works with other vendor instruments and popular programming languages.



“Using NI TestStand and LabVIEW, we successfully converted a lengthy manual test process into a highly automated test cycle and reduced the regression test cycle from weeks to days, while increasing reliability, repeatability, and maintainability.”

Sambit Panigrahi,
Texas Instruments

Software Included in the LabVIEW+ Suite



LabVIEW

Graphical programming environment for automating instruments



TestStand

Test executive software for building validation and production test systems



DIAdem

Data analytics software for analyzing measurement data and creating reports



FlexLogger™

Configuration-based software for acquiring and logging data



InstrumentStudio™

Interactive software for viewing and configuring devices



Nigel AI

The first test-optimized AI

Software Services

Get access to software training, dedicated support, and more with your software subscription:



Software Updates



Access to Previous Versions



Technical Support



Online Training



“With Nigel AI, I could ask targeted, context-driven questions to quickly identify likely root causes, validate tester configurations, and refine test logic—reducing trial-and-error debugging. Nigel AI has become an essential engineering multiplier, improving both development speed and test quality.”

Gautham Anebajagane,
Analog Devices

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