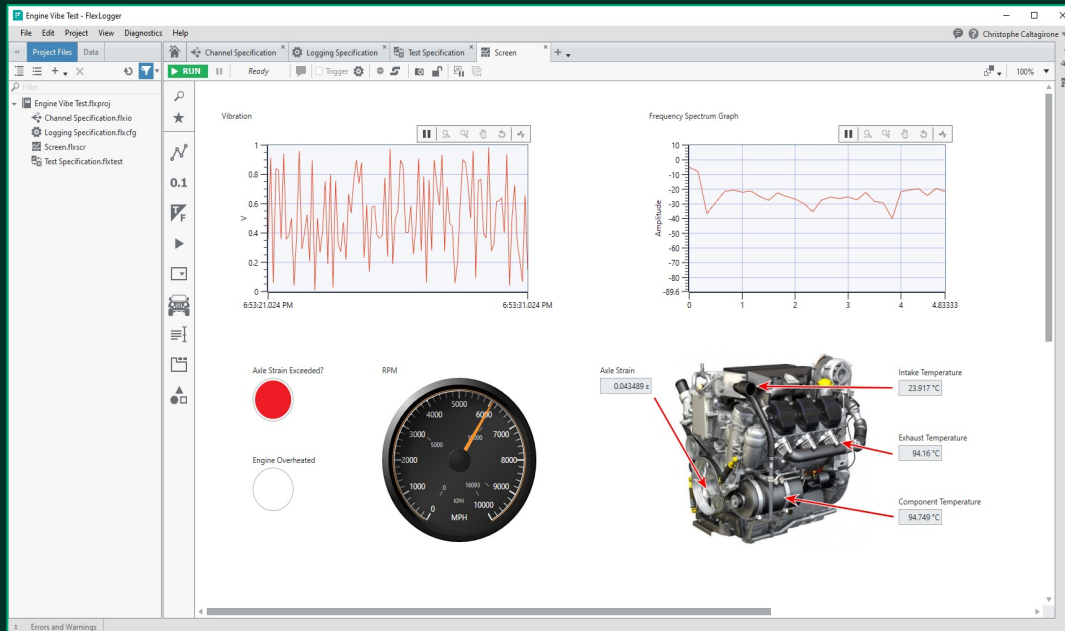




NI FlexLogger

Now with the first test-optimized AI, Nigel™ AI

The Benefits of FlexLogger

FlexLogger enables quick sensor configuration and mixed signal data logging—no programming required.

- FlexLogger automatically detect NI-DAQmx supported hardware connected to your system
- Configure channels using menus and guided inputs
- Place graphs and other prebuilt data display elements on a screen to view your data as it's acquired
- Log data to CSV files or TDMS binary files for recordkeeping and advanced analysis

"FlexLogger makes it easier to troubleshoot and verify that the raw data from different sensors are correct before I start my test. This helps shorten test development by saving time typically wasted on redoing configurations."

- Andy Tarman
CNH Industrial

Build Flexible, Scalable Systems with FlexLogger

Configuring Your System

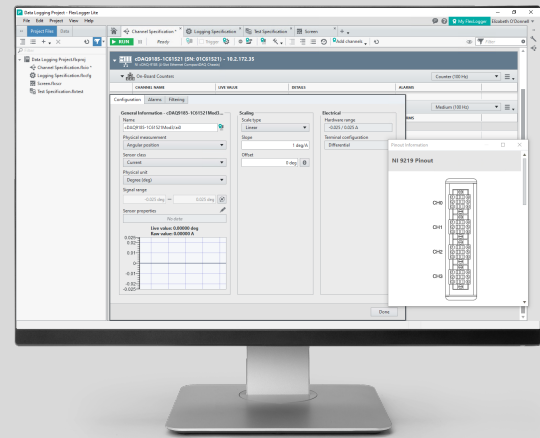
- **Broad Mix of Channel Support**—FlexLogger supports AI/AO and DIO signals in the PXI, USB and C Series form factor. It also supports the configuration and synchronization of automotive signals, such as, CAN and CCP.
- **Nigel AI**—Get instant, expert help while using FlexLogger, from onboarding, to reviewing projects, configuring settings, and more!
- **High-Channel Performance**—FlexLogger is optimized to support over 2000 channels in a single project. Configurable using spreadsheet import functionality.
- **Calculated Channels**—Perform basic arithmetic on measurement channels and log results to file alongside raw data.

Accelerating Your Data Visualization

- **Alarms and Events**—Set alarms that monitor single channels or groups to be notified of unexpected behavior. Make quick, informed decisions.
- **Dashboards**—FlexLogger includes interactive visualization tools for monitoring tests with drag-and-drop charts, graphs and controls.
- **File Configuration**—Store data according to your test needs. Built-in functionality can partition files according to file size or time specifications during for long-running tests. Save to multiple locations to reduce risk of data loss.

Extending Your Capabilities

- **FlexLogger Plug-ins**—Extend the analysis and control capabilities of FlexLogger by configuring plug-ins that connect to LabVIEW.
- **Python API**—Automate and control FlexLogger using the open-source Plug-in Development Kit. Start, stop and monitor tests from your Python environment.
- **SystemLink Integration**—Share information with colleagues by logging data to SystemLink tags and uploading files directly to SystemLink.
- **Analyze in DIAdem**—Utilize advanced analysis functions and visualization tools on your test results in DIAdem. No additional changes needed to your project.



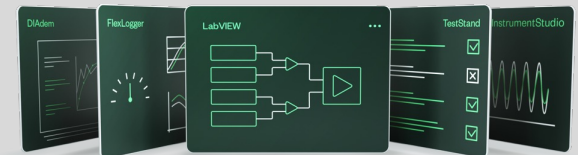
Select Your FlexLogger Edition

FlexLogger Lite [Free!]

- Recommended for manual data logging and monitoring with NI data acquisition (DAQ) hardware.
- Download at ni.com/flexlogger

FlexLogger Professional

- Recommended for applications that require more complete validation capabilities or additional I/O.
- Part Number: 784271-35



Get FlexLogger and LabVIEW Plus More in the LabVIEW+ Suite

The LabVIEW+ Suite is a collection of LabVIEW plus, more software that provides purpose-built tools for automating measurement, analysis, and test. The software works together to save you time.

Part Number: 788509-35

PART NUMBERS LISTED ARE FOR SUBSCRIPTION-BASED DOWNLOADABLE MEDIA FOR WINDOWS, FIND MORE INFORMATION ONLINE OR THROUGH YOUR DISTRIBUTOR.

NI
11500 N Mopac Expwy
Austin, TX 78759-3504
ni.com

LABVIEW, DIADEM, FLEXLOGGER, INSTRUMENTSTUDIO, AND TESTSTAND ARE MARKS OWNED BY ONE OF THE COMPANIES IN THE TEST & MEASUREMENT BUSINESS UNIT OF EMERSON ELECTRIC CO. EMERSON AND THE EMERSON LOGO ARE TRADEMARKS AND SERVICE MARKS OF EMERSON ELECTRIC CO.

©2024 NATIONAL INSTRUMENTS. ALL RIGHTS RESERVED.