

dataTec

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Mess- und Prüftechnik. Die Experten.

FlexLogger

Fast, Flexible, No-Code Data Acquisition Software

Test engineers use FlexLogger to:

- Quickly acquire data to validate designs or assumptions
- Build configurable test systems with a custom UI for operators
- Log data from sensors and electrical signals to disk



The Benefits of FlexLogger

0

Code Development
Required

2,000+

Simultaneous Measurement
Channels

Faster

Time to First
Measurement



Build Flexible, Scalable Systems with FlexLogger

Configuring Your System

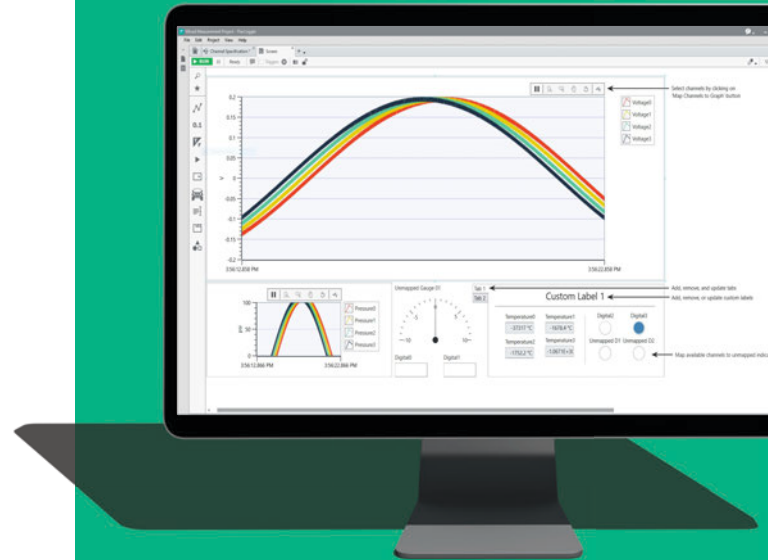
- **Broad Mix of Channel Support**—FlexLogger supports AI/AO and DIO signals in the PXI, USB and C Series form factor. It also supports the configuration and synchronization of automotive signals, such as, CAN and CCP.
- **High-Channel Performance**—FlexLogger is optimized to support over 2000 channels 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.



“With up to 20 launches a year worldwide, it is critical to develop tests quickly to keep to launches on schedule. FlexLogger helps me save setup and calibration time because I can quickly modify custom scaling for a distinct mix of sensors and see real-time data in my preferred units.”

- Sarah Roth Fischer
Technologist - Balloon Program Office
NASA Wallops Flight Facility

Contact your NI product expert to get help solving your test challenges.



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