

Cell Assistant

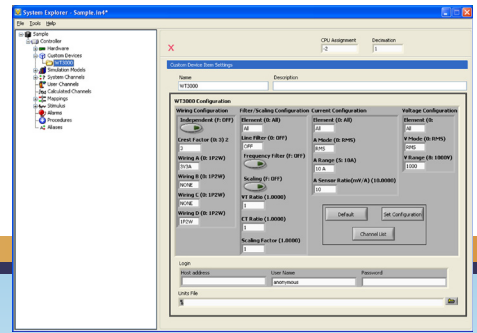
for NI LabVIEW® - Test Automation Software

Features

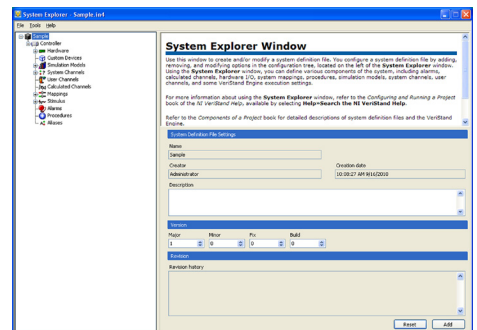
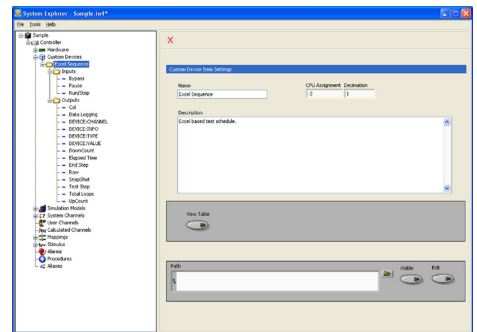
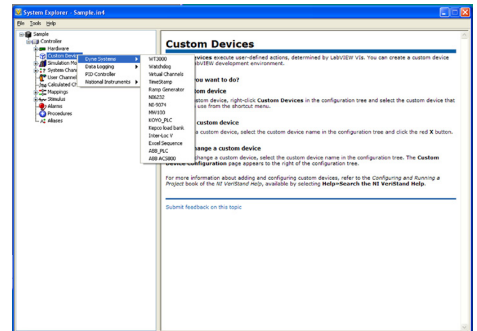
- Utilizes NI LabVIEW and VeriSTAND software
- Pre-programmed Excel®-based spreadsheet test schedule solution allows easy configuration and creation of test plans
- Graphical software allows for easy creation and configuration of test plans, channels, limits, scaling, and data process commands with no prior programming experience required
- Built-in driver library for Dyne Systems controls and a variety of third party devices
- Virtual Instrument Panels (VIP) are fully customizable and run time editable
- User definable data logging capability, including rate of collection and selectable data formats, viewable in Excel
- Alarming parameters are adjustable, both upper and lower alarm limits are available
- Multiple methods of interface, including Analog, Digital, and Communications busses (Ethernet and Serial)
- Capability to set limits on most channel types, including trigger configuration and trigger levels, function creation and assignment for limit actions
- Channel calibration capability for each individual analog device channel
- Multi-level password protection for test system security

Testing Applications

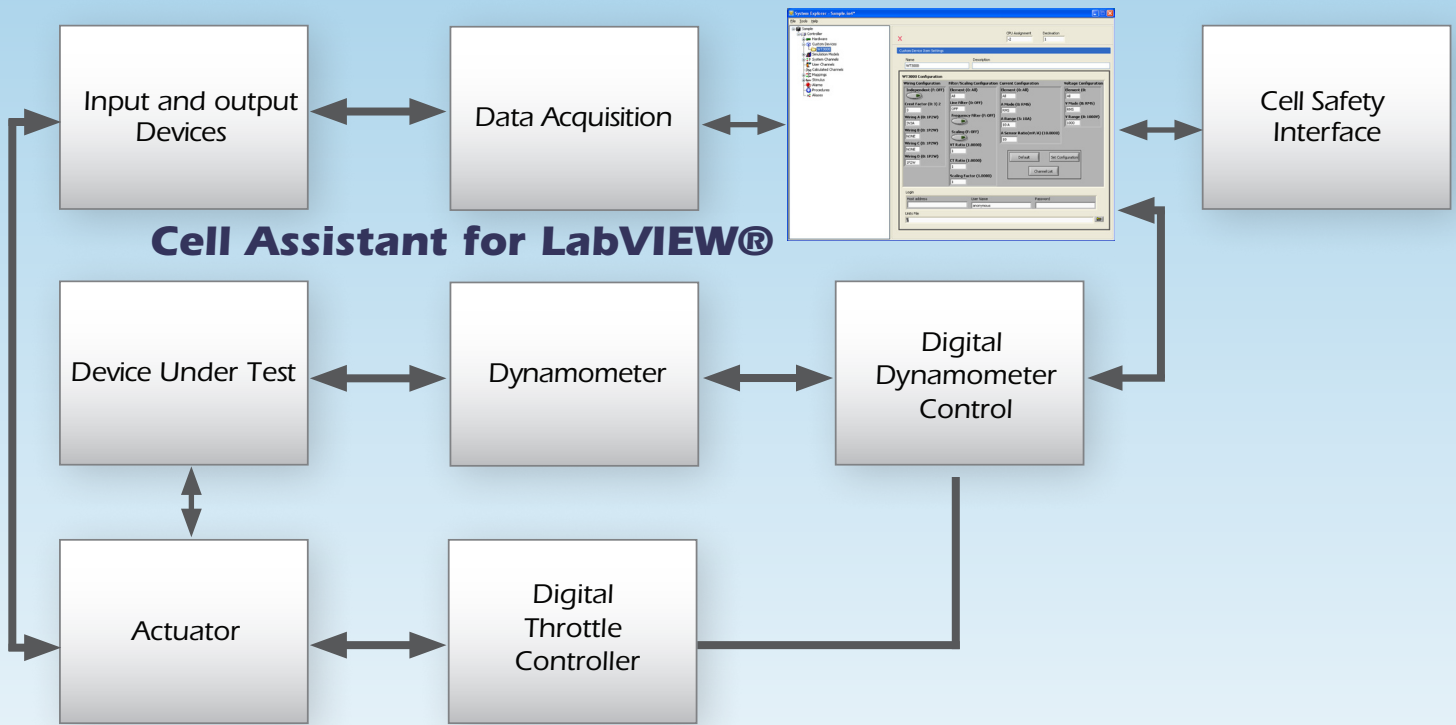
- Engine
- Electric Motor / Alternator / Generator
- Transmission / Transaxle / Differential
- Component / Gear Box / Lubricants



Cell Assistant for LabVIEW (CA4LV) test automation software provides an all-encompassing computer software application for test cell automation. Integrating both measurement and control into one software package affords the synchronization of all information, be it data control or collection. This easy to configure software solution allows the user to create tests in an intuitive spreadsheet format with drop down features, to easily select test configurations. The user-configurable Virtual Instrument Panel (VIP) is customizable to meet the user's data display requirements.



Your Dynamometer and Control Experts



Dyne Systems Product Line

Closed Multi-Loop Dynamometer & Throttle Control

- Inter-Loc V
- DS630 Inter-Loc V Throttle Controller

Closed Single-Loop Dynamometer Control

- Dyn-Loc IV
- Dyn-Loc V

Closed Loop Throttle Control

- DTC-1
- DS830 Stand-Alone Throttle Controller

Open Loop Dynamometer Control

- DS820 Eddy Current PAU

Closed Loop Water Flow Control

- EWC-1

5-Gas Exhaust Analyzer

- XM2000

Data Acquisition

- Companion II: Dyne Systems proprietary
- Companion III: Yokogawa based
- Companion IV: NI cRIO based

Test Automation Software

- Cell Assistant for Windows
- Cell Assistant for LabVIEW™ (VeriStand™)

Test Cell Safety PLC Interface

- CIA I: Automation Direct / Koyo
- CIA II: Horner
- CIA III: ABB
- CIA IV: Allen-Bradley

Throttle Accessories

- Actuator, Remote Pendant, Cables

Eddy Current Dynamometers

- 5–5000 Hp

AC Dynamometers and Drives

- 5–1600 Hp

DC Dynamometers and Drives

- 5–1200 Hp