SIEMENS

CabView™

PC Interface to Siemens' 9-Aspect Cab Signal System

Rail Automation

Siemens's solution for system diagnostics, performance monitoring, and wayside troubleshooting!

CabView™ Software turns an ordinary Notebook Computer into a powerful, flexible, easy-to-use piece of Portable Test Equipment.

Our on-board datalog provides a complete detailed record of system parameters—No pre-qualifying assumptions limit available data.

Use powerful and flexible display and triggering capabilities to zero in on problems quickly without wading through unrelated data.

Implemented using proven techniques Siemens has developed through 14 years of experience with AMTRAK, CSX, and MBTA maintenance departments.

CabView™ Capabilities

CabView™ can **Upload** a datalog from the Cab Signal System's on-board "Flash" memory. It can perform either **Diagnostics** or more detailed **Analysis** in *real-time* or from a datalog playback.

Upload

CabView™ provides flexible upload options to make it easy to retrieve only the data of interest without wasting time.

Upload options include:

• All available data
• Most recent data (i.e. last 8 hrs)
• Specific date/time range

The uploaded data is stored in a file that can be "Played Back" using CabView™ allowing the powerful display and triggering options to be used to quickly scan the datalog for the information or conditions of interest!
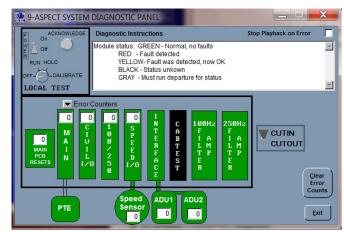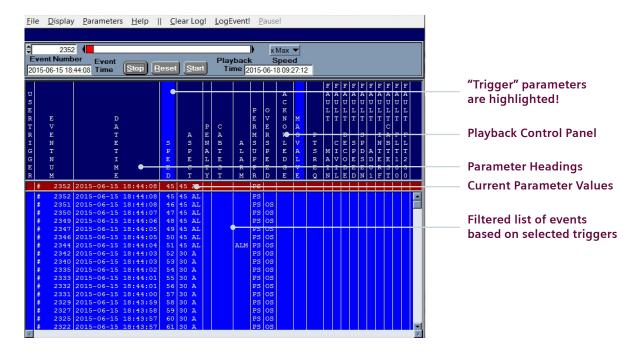
Diagnostics

The diagnostics mode delivers a simple but powerful display for rapid board-level diagnostics and trouble-shooting.

The user display changes the color of individual board diagrams from **GREEN** to **RED** to indicate faults. Board diagrams shown in **BLACK** have unknown status until either additional inputs are received or the built-in "Departure Test" is completed.

Intermittent faults (for micro-processor equipped boards) are indicated by changing the board diagram color to **YELLOW** and incrementing the fault counter.

For more detailed diagnostic info, the user can switch to "Analysis" view at anytime.

"Trigger" parameters are highlighted!

Playback Control Panel

Parameter Headings

Current Parameter Values

Filtered list of events based on selected triggers

Analysis

The "Analysis" mode is the most powerful capability that Cabview™ has to offer! This mode provides a tabular display of user-selected parameters as they evolve over time. One or more of the parameters can be selected as "triggers" so that only events in which the "trigger" parameter changes are displayed.

I/O Display Screen

The I/O Display screen can be used from either Diagnostic or Analysis mode for a quick visual summary of most system parameters. The "Real-Time" I/O Display is very useful during installation and checkout to verify inputs and outputs.

System Inputs / Outputs Operational Status / Error Status

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