



NORTHWEST
SIGNAL SUPPLY, INC.

NWS Testbox

Goodbye Suitcase, Hello Performance

21st Century Solution

Increasingly sophisticated controllers and software demand tools equal to the task. NWS Testbox is a 21st century software solution that obsoletes suitcase-style signal controller test boxes with a powerful and flexible software solution.

It provides traffic engineers with everything they need to demonstrate the effects of timing values while researching timing solutions for complex, often competing, multimodal system demands.

The program works with NTCIP-compliant controllers to coordinate data flows between a PC and controller. Using an Ethernet connection, NWS Testbox accesses NTCIP controller functions to control inputs, read outputs and display timers.



Each group of sent and received data is tracked and can be recorded for later playback. Recordings can be emailed to other users and NWS support for analysis. The program is scalable and sophisticated, providing much more functionality than a suitcase tester ever could. It is the right tool for configuring and evaluating modern NTCIP-compliant controller timing.

An additional advantage of using a software-based tester is flexibility. Suitcase testers cannot accommodate rapidly changing features appearing in modern controllers. For example, the 2070 controller has 20 more inputs and 8 more outputs than the 170 controllers they were designed to replace. Modifying a hardware-based tester is a major undertaking requiring much more than adding lights and switches. NWS Testbox can adapt input-output changes in seconds.

Key specifications:

- Testing protocol for standard NTCIP functions from the Global and ASC standards
- Ethernet connectivity
- Record, playback and printing capabilities with time-stamped controller I/O data
- 6 preset sets of inputs can be applied simultaneously
- Display options to meet user preferences include:
 - Tabular display with customizable function prioritization
 - Controller front panel display
 - Custom graphics map display
- Function names in "common language" or NTCIP format
- Default function sets for quick creation of dynamic objects include:
 - 8 and 16 phase formats
 - 332 cabinet
 - Time and pattern
- Proprietary functions for Northwest Signal Supply family of controllers
- Allows setting of NTCIP Physical Address from 1-8191



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