

MTS

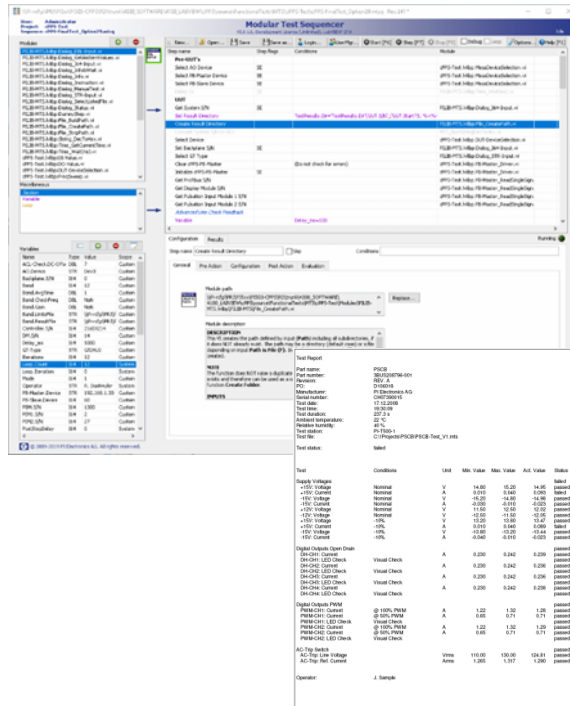
Modular Test Sequencer

Features

- Modular test sequencer for the automated device test during production
- Simple editing of test plans by drag and drop
- Test modules based on LabVIEW® VI's
- Test modules can be configured directly on their VI front panel
- Looping option for defined sections of the test sequence
- User-defined variables for passing parameters and results between test modules
- Automated analysis and reporting of test results
- Single stepping mode for commissioning and debugging of the test system.

Operating system

- Microsoft Windows 7 or higher



Overview

MTS is a framework for automated device test during the production process. The modules for the test sequences can be developed by the test engineer using LabVIEW® and can be imported into the MTS' test modules library. Any test function in the library is accessible through the MTS module catalog window and can be embedded into the sequence.

The application offers an interface for automated analysis and reporting of the test results for every single test step.

Further data analysis with 3rd-party tools is straightforward since test results are saved in fixed, tabular format.

Drag & Drop editing of test sequences

The test steps / modules can easily be added to the test sequence by drag and drop action. Once in the sequence the modules can be configured as needed by the device under test.

Test modules are configured directly on their front panels.

A variable engine handles forwarding of test results or status information to subsequent test modules. By using a formula editor in a variable-typed step, manifold calculations can be performed.

Within a sequence, test steps can be repeated by inserting loops. For execution control the loop's iteration counter is available as variable.

Further, sections can be defined in the sequence which allows for graphical and textual structuring of the sequence and enhances the readability of the report.

The report's header and footer sections can be customized by means of the MTS report form editor.

Stepping mode

Apart of the automated execution of the test plan any test sequence can be walked through by single stepping. Single stepping can be started at any point in the sequence. This feature is particularly useful for debugging of a newly created test sequence or commissioning of a new test system.