



# QualiPHY™

## Automated Compliance Testing for High-speed Serial Data Standards



### Features

- Easy-to-use
- Guides the user through each required test setup
- Automatically performs each required measurement in accordance with the relevant test procedure
- Compares each measured value with the applicable specification limits
- Fully documents all results
- Offers adjustable limits for margin or production testing
- Builds a database of results to facilitate further analysis

The rapid proliferation of high-speed serial data buses in today's computers and consumer electronics equipment presents a difficult challenge. Validating the proper operation of every device on every data bus is typically a tedious and time-consuming process, made even more complicated by the fact that each serial data standard employs its own unique terminology, measurements and test methods.

QualiPHY is designed to reduce the time and effort needed to perform compliance testing on a wide array of high-speed serial buses.

QualiPHY is the most intuitive and efficient tool available for performing

*Clear illustrations guide the user through all required test setups, while progress bars and the log window indicate the test status in real-time.*

serial data compliance testing. Selecting a new standard or test setup is done without leaving the main screen, and the user can start testing with a single button press.

### Comprehensive Reporting

QualiPHY creates professional quality reports that fully document all test results. QualiPHY can produce reports in standard HTML and PDF formats, and the user may easily customize the look of the reports by modifying the report style sheets.

### Powerful Database Support

QualiPHY enables the user to export test data directly to XML format, which is readable by database programs such as Microsoft Access. This capability is highly useful to:

- IC developers, who must fully characterize their devices over a wide range of conditions to establish and verify operating thresholds.

- System level validation teams working in parallel development cycles, which need to combine, study, and interpret performance data and correlate various batches of test results.
- Manufacturing groups, where key parameters need to be monitored as indicators of product/process performance.

### Global Connectivity

QualiPHY has been developed with today's global design environment in mind. QualiPHY may be executed directly on the host oscilloscope, or it may be run on a computer located anywhere in the world, accessing the oscilloscope via GPIB or LAN/WAN connections. Development team members can also access live signals from oscilloscopes in remote locations.

Engineers and technicians interested in QualiPHY may download the framework software at no charge from <http://www.lecroy.com/goto/QualiPHY>



1-800-5-LeCroy  
[www.lecroy.com](http://www.lecroy.com)

Local sales offices are located throughout the world.  
To find the most convenient one visit [www.lecroy.com](http://www.lecroy.com)