

The OTS

The Optical Test System (OTS) product family provides modular test solutions for SONET/SDH, DWDM, and industry-leading optical jitter and wander technology.

The Digital Lightwave Optical Test System (OTS™) product family provides modular test solutions for multi-rate and multichannel SONET/SDH, DWDM and industry-leading optical jitter and wander technology.

Designed for optical transmission systems, the multi-functional OTS combines a number of test sets in a single platform—providing significant cost savings by reducing the amount of equipment required for testing. The OTS products are also available in multiple configurations, enabling users to further reduce costs by selecting specific feature set requirements.

Available in three different chassis designs with varied slot allocations, the OTS systems offer a unique flexibility for testing environments. An OTS system can support the life cycle of a product under test—from bench top, to production, to the field. All chassis platforms incorporate the same user interface and remote

command set, which enables a smooth transition between test fixtures, reduces training time, and keeps users at peak efficiency. And, since all OTS chassis types use the same software, test programs written for one system can be used by other OTS platforms, significantly reducing test suite development times and personnel training costs.



Optical Test System (OTS) Family

The OTS

Digital Lightwave's OTS products are a family of modular Optical Test Systems supporting SONET/SDH, DWDM and industry-leading optical jitter and wander technology for critical network synchronization measurements.

Features:

- Multichannel testing
- 3 different chassis sizes with fully independent user slots
- Exportable test results in ASCII text format
- Windows® Operating System for ease-of-use and common user interface
- Same user interface for all systems
- Industry leader in jitter
- 155 Mbps - 10 Gbps SONET/SDH/DWDM and jitter testing
- Full remote control and networking capability

Applications:

- Supports identical manufacturing test measurements from benchtop, to production, to the field
- DWDM parallel channel system test
- Equipment performance monitoring
- Multichannel, multi-rate SONET/SDH testing
- In-service monitoring
- Simultaneous line card testing

Enhanced Ease-of-use

The OTS platform uses cPCI back plane architecture, Windows operating system, and a Graphical User Interface. Test results saved on the hard drive can be exported to ASCII format and imported into spreadsheets or other applications for use in reports and other data collection methods.

Supporting full remote control via Ethernet, serial or GPIB interfaces, the platform accelerates test schedules through quick verification of the quality of system transmissions. For production testing, a full remote command set plus Lab View and Lab Windows CVI drivers are available for quick and efficient creation of automated test suites. A “pause” feature enables suspension of tests while changes are made—allowing greater flexibility during long-term testing.

OTS Toolkit Software

The OTS Toolkit is a family of easy-to-use GUI-based software enhancement feature sets designed to automate test and measurement procedures on the OTS platform. The software currently features a versatile OTS scripting application, a flexible task scheduler application, and an accelerated BER test routine.

The OTS Toolkit automates test and measurement script development by providing a ‘drag and drop’ graphical interface and includes ‘out of the box’ ready-made scripts. Custom scripts can be quickly written with the Toolkit’s GUI, which accesses the complete set of remote commands available for the OTS systems.



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Ordering Information For feature availability, ordering, and pricing information, call +1 727 442 6677 or visit www.lightwave.com.

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