Green is life tmg

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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can all us for FREE!

TMG Corporate Website **TMG Products Website**

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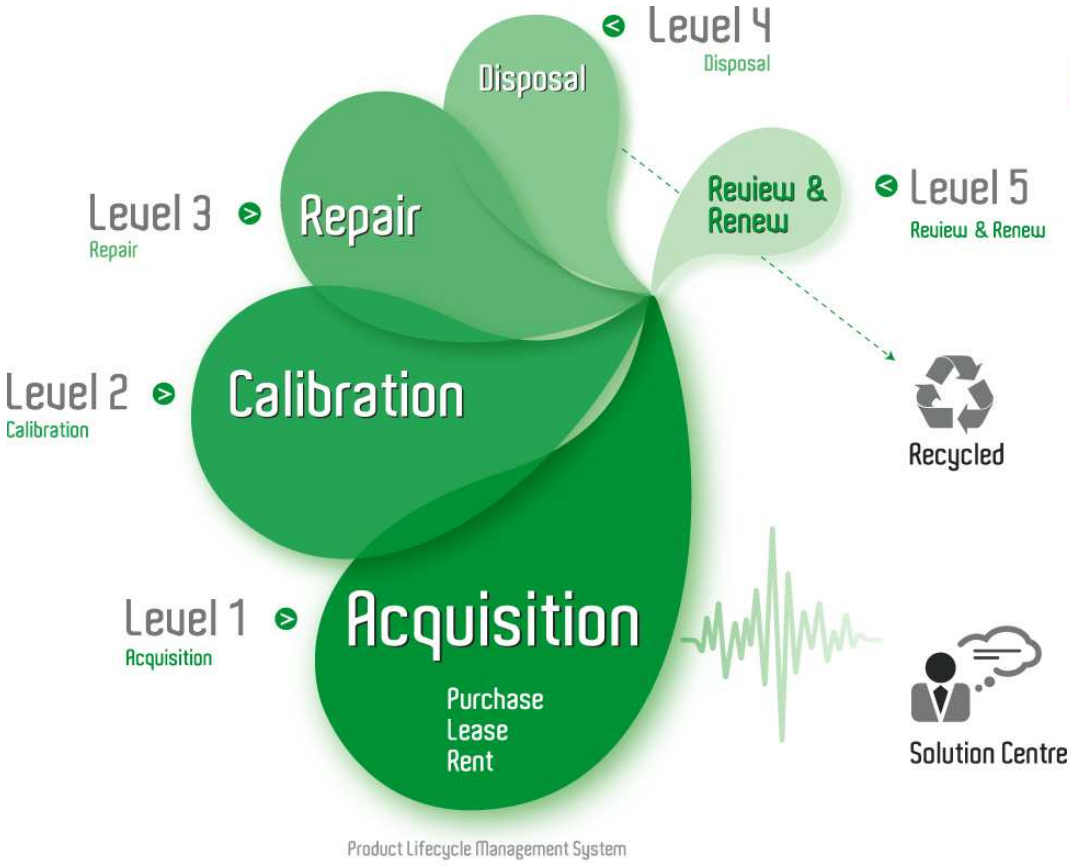


The NIC 2.5G

The Digital Lightwave NIC 2.5G Network Information Computer is an intuitive portable testing platform for global SONET/SDH, PDH and ATM networks.

The Digital Lightwave NIC 2.5G™ Network Information Computer® is a portable instrument for verifying and qualifying the performance of telecommunications networks and embedded network elements.

Providing a broad range of capabilities in a compact 10.5 to 14-pound package (depending on configuration), the NIC 2.5G can simultaneously and independently test protocols ranging from DS0/64 Kbps through OC-48/STM-16—including ATM and Jitter.

With a flexible software/firmware-based architecture, the multifunctional NIC 2.5G combines in a single platform the multitude of traditional hardware-based test sets required to install, monitor and maintain today's global multiprotocol networks.

The NIC 2.5G is easy to use, with intuitive touch-sensitive GUI capabilities that allow technicians of any experience level to operate the unit. Its flexible design lets you configure the NIC 2.5G to meet your current needs, then upgrade quickly and inexpensively as your network environment changes. The NIC 2.5G is also fully interoperable with the entire NIC product line, providing a broad range of diagnostic capabilities.

Combining innovative features, functionality and performance into a single cost-effective product, the NIC 2.5G is the most advanced testing platform available today.

Network Information Computer (NIC 2.5G)

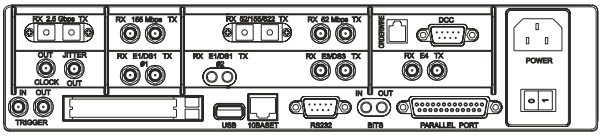
Digital Lightwave®

The NIC 2.5G

The Network Information Computer product family is a comprehensive line of portable analyzers used during the design, manufacture, installation, and maintenance of global fiber-optic networks, including SONET/SDH, DWDM, GigE, OSA, POS, ATM, Jitter, and T/E-Carrier.

Major Features:

- Simultaneous and independent testing of PDH, ATM and SONET/SDH. Separate protocol processors for PDH (DS1/E1, DS3/E3, E4), ATM and SONET/SDH (includes STM-0 thru STM-16, and STS-1 through STS-48)
- Internal DS1/DS3 and E1/E3 drop/insert from SONET/SDH, built-in M13/E13
- SONET/SDH 1310 nm, 1550 nm or 1310/1550 nm switchable wavelength laser option
- OC-48/STM-16 through-mode with overhead manipulation
- STM-0 through STM-4 jitter capability in some configurations
- Round-trip delay measurement capabilities at optical rates
- Support for AAL0, AAL1, AAL5, traffic shaping, PVC/SVC, OAM, QoS measurements, HEC error generation
- Alarm/error generation and analysis
- Test set configuration with graphical switch matrix
- Auto configuration to pattern level
- Troublescan
- 10.4-inch active matrix color display with touch screen
- Dual slot PCMCIA interface
- Built-in optical power and frequency measurement
- Remote control GUI
- Software/firmware upgradeable via Web
- SCPI over GPIB, TCP/IP, or RS-232c



Connector Panel

Specifications are subject to change without notice.

General Specifications

Operating Temperature: 0° to 40° C @ 85% RH
Storage Temperature: -20° to 60° C @ 95% RH
Power Requirements: 100-120 and 200-240 VAC, 50-60 Hz
Dimensions: 10.1 H x 12.3 W x 4.7 D in (257 x 312 x 120 mm)
Weight: 10.5 to 14 lb (depending on configuration)

Auxiliary Interfaces

RS-232: V.24, DB-9
Parallel Port: DB-25
DCC: RS-449, DB-15
Orderwire: Handset jack (A-law)
BITS/SETS Clock: Bantam
2.5G Clock Out
Jitter Out
PCMCIA: Dual Slot: 2-Type II or 1-Type III
10 BaseT: RJ-45
USB
Input/Output Trigger: SMA

Ordering Information

For complete feature availability, ordering and pricing information, call your Digital Lightwave sales representative at +1 727 442 6677, or visit our Web site at www.lightwave.com.

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Digital Lightwave provides industry-leading products, technologies, and services for deploying and managing communications networks. Telecommunications service providers and equipment manufacturers rely on our offerings to develop, install, maintain, and manage high-performance networks. With a presence in more than 80 countries, Digital Lightwave enables customers to successfully implement optical-based networks worldwide. To find the nearest sales office, please visit www.lightwave.com.

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