



# Simplify your fiber plant testing...



## LW Series™ Handheld Fiber Optic Toolkits

Portable fiber optic care, inspection and testing from Digital Lightwave



The Lightwave series of handheld fiber test products are well suited for a wide range of fiber test, inspection and cleaning requirements. Digital Lightwave's toolkits are exclusively packaged in rugged dustproof, crushproof cases featuring an atmospheric pressure purge for maximum protection of your test instrument investment. Instruments include:

- Optical power meters
- OTDRs and fault locators
- Visual fault identifiers
- Optical fiber identifiers
- LED and laser light sources
- Fiber optic loss test kits
- Optical return loss test set
- Microscopes and videoscopes
- Talk sets and attenuators
- Network simulators



# Digital Lightwave Network Information Computer (NIC)

Modular Platform for Telecom/Datacom Testing

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## INSTRUMENT DESCRIPTIONS

### LW OPMTM – Optical Power Meters

Full-featured, palm-sized optical power meter for use with an optical laser source.

**LW OPM4G** – Ge detector with calibrated wavelengths of 850, 1300, 1310 and 1550 nm. Measurement range: +6 to -60 dBm. 9V alkaline battery with 60-hour life. Universal connector interface. N.I.S.T. traceable, auto or manual power off. Single-mode and multi-mode.

**LW OPM6** – Filtered InGaAs detector with calibrated wavelengths of 850, 980, 1310, 1480, 1550 and 1625 nm. Measurement range: +26 to -50 dBm. 9V alkaline battery with 60-hour life. Universal connector interface. N.I.S.T. traceable, auto or manual power off. Single-mode and multi-mode.

### LW DLSTM/LW OLSTM – Dual or Quad Laser Source

A lightweight handheld laser source for accurate dual-wavelength (1310/1550 nm) or quad (850/1300/1310/1550 nm) fiber-optic testing. Operates in either continuous wave mode or 2 KHz modulated mode. With an output power of -10 dBm, provides in excess of 50 dB range when used with Digital Lightwave optical power meters.

### LW VLRTM – Visual Locator, Red

Makes faults in fiber-optic cables and connections clearly visible to the eye. 650 nm-visible red laser source, high power (1mW), compact size with universal (2.5 mm included) connector interface for quick connection. Continuous wave (CW) or 2 Hz modulation mode options. Operates on 2 AA batteries with 60 hours typical.

### LW OSDTM – Optical Signal Detector

Identify live fibers prior to cutting and splicing, detecting signals and direction without disrupting service. InGaAs detector type. 1310 and 1550 wavelength operation. Fiber stress of <100 kPSI max. Tone detection of 2000 +100 Hz. Accepts 250 um, 900 um, coated fiber, 3 mm jacketed fiber and ribbon fiber. No head swapping or CAM adjustments. 9V battery operated. Measurement time <1.0 second.

### LW SFSTM – Safe Viewing Fiber Scope

Eliminates concerns for eye safety by using a miniature camera and a state-of-the-art micro-display that achieves unparalleled clarity and resolution. 400x magnification. Resolves 3/4 micron scratches. NTSC video output port and Auto power off features. 2 AA alkaline batteries (AC adapter optional). Provides 10-hour battery life under continuous operation. No safety filter required. Thread-on universal adapter, fits FC/SC/ST fibers.

Contact your Digital Lightwave representative for information on other available instruments.

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For more information or a sales quote, contact any Digital Lightwave location or email [dllisales@lightwave.com](mailto:dllisales@lightwave.com)



*Corporate Headquarters*  
5775 Rio Vista Drive  
Clearwater, FL 33760, USA  
Toll free: +1.877.442.DIGL  
T: +1.727.442.6677  
F: +1.727.536.3541

*International Headquarters*  
Jebel Ali Free Zone  
P.O. Box 261126  
Dubai, U.A.E.  
T: +971.4.3606013  
F: +971.4.3606014

*Latin American Headquarters*  
Capulin #1, Tabla Honda  
Tlalnepantla C.P. 54126  
Mexico  
T: +52.55.2207-1500  
F: +1.727.442.5660