

# WaveSource Series

Fiber Optic Light Sources

## Features

- Temperature-stabilized sources
- Multimode and/or single-mode versions available
- Optional integrated Visual Fault Locator (VFL) for multimode only or single-mode only versions
- SC or ST fiber connectors
- Extended battery life - up to 30 hrs on one 9v battery
- Combination selected source / Low battery indicator LEDs
- Intuitive 4-button interface
- Continuous Wave (CW) or modulated mode
- NIST traceable
- Hand-held
- Very economically priced



## Key Specifications

<b>Output Power</b>	-20 dBm (multimode) -10 dBm (single-mode)
<b>Initial Accuracy</b>	+/- .10dB @ 25 C
<b>NIST traceable calibrated wavelengths</b>	850nm, 1300nm (multimode) 1310nm, 1550nm (single-mode)
<b>Center Wavelength</b>	850nm +30 / -10 nm (LED) 1300nm +/- 50nm (LED) 1310nm +/- 20nm (Laser) 1550nm +/- 30nm (Laser)
<b>Spectral Width</b>	50nm @ 850nm (LED) 180nm @ 1300nm (LED) 2nm @ 1310nm (Laser) 2nm @ 1550nm (Laser)
<b>Operating Temperature</b>	-20 to +70 C
<b>Storage Temperature</b>	-40 to +85 C

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

## Applications

WaveSource series light sources provide the fiber optic professional with a wide range of options for their testing needs.

The WaveSource comes configured with your choice of multimode and/or single-mode sources. Multimode only and single-mode only sources also have the option of having a Visual Fault Locator (VFL).

WaveSource series light sources provide high output and stability at an economical price. The sources provide temperature-compensated outputs, and have an intuitive 4-button interface with controls for power, transmission mode, wavelength, and auto-test mode. LED indicators highlight the selected source and verify that battery power is sufficient to maintain the calibrated output power.

When used with a WaveTester optical power meter, the auto-test function of the WaveSource will allow auto-wavelength switching and auto-storage of test points, saving valuable test time.

**Warning:** LEDs and lasers such as the ones in WaveSource light sources produce intense beams of infrared energy that is invisible to the eye.

**NEVER LOOK INTO A LIGHT SOURCE OR THE END OF A FIBER THAT MAY BE ENERGIZED BY A SOURCE!**

Exposure to such energy can cause serious retina damage, and prolonged exposure can cause blindness.

### WaveSource Configurations

Part #	Multimode (Port A)		Single-mode (Port B)	
	Wavelengths	Connectors	Wavelengths	Connectors
WS-MDSD	850, 1300	ST, SC	1310, 1550	ST, SC
WS-MD	850, 1300	ST, SC	N/A	N/A
WS-SD	N/A	N/A	1310, 1550	ST, SC
WS-VSD	650nm VFL*	ST, SC	1310, 1550	ST, SC
WS-MDV	850, 1300	ST, SC	650nm VFL*	ST, SC

Part No. Legend  
WS-(MDV)(SDV)

MDV  
(corresponds to Port A on the front of the unit)  
850/1300nm = MD  
VFL = V

SDV  
(corresponds to Port B on the front of the unit)  
1310/1550nm = SD  
VFL = V

\* VFL stands for Visual Fault Locator. VFLs will work in both multimode or single-mode fibers.



MADE IN USA

**N.I.S.T. Traceable**

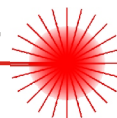
Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.



Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.



**O.W.L.** MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT  
**OPTICAL WAVELENGTH LABORATORIES™**



Optical Wavelength Laboratories (OWL)  
N9623 West US Hwy 12  
Whitewater, WI 53190  
Phone (262)473-0643 Fax: (262)473-8737  
<http://owl-inc.com>