WaveSource Series

SKU: see configuration table below

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

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.

Key Specifications

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

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

WaveSource Configurations

	Multimode (Port A)		Single-mode (Port B)	
Part #	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.

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.

ASSEMBLED 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
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