

## Fiber Optic Light Sources

# Multimode Singlemode



WaveSource Series Light Sources can be bundled with a Fiber OWL or WaveTester optical power meter for accurate automatic dual wavelength optical power and loss measurements in both multimode and singlemode fiber links. See page 2 for more details about Fiber OWL Series kits, and page 6 for WaveTester Series kits.

### Description

WaveSource series fiber optic light sources offer the fiber optic professional a wide range of options for their testing needs. Several combinations are available: multimode only, singlemode only, or both multimode and singlemode. Our quad-wavelength version (WS-MDSD) has all four wavelengths (850, 1300, 1310, 1550) in one unit! Visual Fault Locators (VFL) can also be added to multimode only and singlemode only versions. VFLs can be used in both multimode and singlemode fibers. All versions of the WaveSource have two transmission modes: Continuous Wave (CW) for accurate temperature-stabilized fiber optic tests; and modulated mode. Modulated mode provides for an auto-testing function when used with the Fiber OWL 4 or WaveTester optical power meters. The modulated signal from the WaveSource tells the power meter to switch to the currently selected wavelength, which eliminates much of the guesswork during tests, and saves valuable time. 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. WaveSource light sources come configured with your choice of SC, ST, or FC connector ports, as well as a protective rubber boot, carrying strap, 9-volt battery, NIST-traceable certificate of calibration, and CD-ROM with operations manual.

### Specifications

#### Light Source

Center Wavelength	850 +30 / -10 nm
	1300 1300 ± 50 nm
	1310 1310 ± 20 nm
	1550 1550 ± 30 nm
Spectral Width	850 50 nm
	1300 180 nm
	1310 2 nm
	1550 2 nm
Output Power	
multimode	-20.0 dBm (LED)
singlemode	-10.0 dBm (FP laser)
Output Modes	Continuous Wave / Modulated
<b>Visual Fault Locator</b>	
Center Wavelength	~650 nm
Output Type	Red fiber optic laser
Output Power	-2.0 dBm or greater
Output Modes	Continuous Wave/Modulated
Visual Range	up to 5 kilometers (3.1 miles)

### Ordering Info

WS-MDxx	WaveSource MM (850/1300nm)	545.00
WS-MDVxx	WaveSource MM w/VFL port (850/1300nm & 650nm VFL)	745.00
WS-SDxx	WaveSource SM (1310/1550nm)	1295.00
WS-VSDxx	WaveSource SM w/VFL port (1310/1550nm & 650nm VFL)	1495.00
WS-MDSDxx	WaveSource Quad (850/1300-MM & 1310/1550-SM)	1900.00

If the part number above contains 'xx', please specify 'ST' or 'SC' depending upon your required connector type.