



PRODUCT OVERVIEW

The OP750 multichannel source can be configured with a mix of up to 24 individual or switched LED or LASER sources. The single wavelength LED source, available in 850nm or 1300nm, features an internal large core fiber to guarantee an overfill condition for 62.5/125µm or 50/125µm multimode fiber. The single wavelength sources at 1310nm and 1550nm are terminated with standard 9/125µm fiber. A dual wavelength option, such as 1310nm and 1550nm, into a single port is available as well. To create dual wavelength operation on any channel, an optical switch can be included in the configuration.

KEY FEATURES & BENEFITS

Multichannel LED Source

- Up to 24 LED sources in one rack
- Factory configurable wavelength mix, including 650nm, 850nm, and 1300nm
- Adjustable power level from 0% to 100% either through front panel or USB port
- Controlled launch condition, customer specific, Encircled Flux (EF) available
- Dual wavelength operation with optional internal 1xN precision optical switch
- Support of most common connector options (FC/PC, ST/PC, SC/PC, etc)

Fastest IL Measurement

- Up to 24 channels with single or dual wavelength laser sources out of a each port.
- Factory configurable wavelength mix, including 1310nm, 1490nm, 1550nm, 1625nm, and 850nm VCSEL
- Adjustable power level up to 10dBm (depending on LASER) either through front panel or USB port
- Cost effective solution with optional, highly repeatable built-in optical switch
- Support of most common connector options (FC, ST, SC, LC, etc...)

APPLICATIONS

- Manufacturing Testing
- R&D Testing



WARRANTY

OptoTest offers a three-year warranty on this product.



TECH SUPPORT

Our team of experts is ready to assist with your setup.



MADE IN THE USA

We proudly design & manufacture our equipment in Camarillo, California



ISO CERTIFIED

Our Quality Management System is certified in ISO 9001:2015.

Customization

The OP750 Multichannel Optical Source can be customized to suit your projects' needs. Please request a custom quote for your project. Below are some examples of the customizations we have done for our customers:

- Custom wavelengths and multiple wavelengths
- Custom and high channel counts
- Customized with splitters
- Custom interfaces/connections
- Custom laser power
- Custom fiber sizes and modal conditioning types

PRODUCT SPECIFICATIONS

Source	1310nm/1550nm LASER	1310nm/1490nm/1550nm/1625nm LASER	850nm/1300nm LED
Source Center Wavelength	±30nm from nominal	±30nm from nominal	±30nm from nominal
Source Bandwidth	<10nm	<10nm	<10nm
Internal Fiber	9/125µm (SMF28)	9/125µm (SMF28)	50/125µm, 62.5/125µm, 105/125µm
Launch Condition	N/A	N/A	Available upon request
Output Power (typical)	-1.5dB	-2.5dB	-18dBm(850nm) -20dBm(1300nm): 62.5/125µm
Source Stability ⁽¹⁾	±0.02dB	±0.02dB	±0.02dB

⁽¹⁾ Over 1 hour with a max. change of 1°C.

Mainframe	OP750
Dimensions	16 ¾" x 3.5" x 12"
Power Supply	90VAC ... 264VAC; 47Hz to 63Hz; 0.7Amps (115VAC) 0.4Amps (230VAC); Fuse: T1A, 250V
Warm-up time	5-15 minutes
Operating Temperature	5°C to 40°C
Maximum Relative humidity ⁽²⁾	80%

⁽²⁾ For temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C.

Laser Classifications

Unless otherwise noted, all **OP750** source units with internal laser sources utilize a **Class I Laser Source**. *OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.*

The above specifications apply to our standard laser and LED sources. Custom sources may have different specifications.

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering. All specifications are valid within temperature range of 18°C to 24°C unless otherwise noted. For additional specifications please contact OptoTest.



Visit www.optotest.com or contact one of our sales engineers at +1 (805) 987-1700 | sales@optotest.com to learn more.