

PRODUCT OVERVIEW

Used by industry leaders in fiber optic connector manufacturing, military, aviation, and academics, OptoTest's Multichannel Environmental Test System (OP-METS) offers a fully customizable turnkey solution for long-term IL and RL testing with respect to environment. Each system is designed uniquely for each application and can be customized to meet almost any requirement. Regardless of equipment composition, every OP-METS provides the fastest and most accurate test experience in the industry.

KEY FEATURES & BENEFITS

- **Fully Customized**
Every OP-METS is comprised of a unique combination of units from the OptoTest line. Our expert team can help determine the best configuration for you.
- **Any Fiber, Any Connector, Any Wavelength**
All OptoTest equipment is available in a variety of fiber, connector, wavelength, and detector options to best match the needs of your application.
- **Configure to Meet Environmental Testing Standards**
The OP-METS can be configured to ensure compliance to standards such as GR-326-CORE, GR-1435-CORE, and Verizon FOC.
- **Rack Enclosure and On-Board Computer**
Opt for housing your OP-METS in a 32U rack enclosure with an onboard PC for an experience that is turn-key ready out of the box.



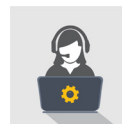
MADE IN THE USA
We proudly design & manufacture our equipment in California, United States.



WARRANTY
OptoTest offers a three-year warranty on this product.



ISO CERTIFIED
Our Quality Management System is certified and in compliance with ISO 9001:2015.



TECH SUPPORT
Our team of experts is ready to assist you.



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

SOFTWARE HIGHLIGHT: OPL-LOG

OPL-Log is a data acquisition and logging software designed to perform timer-based, long-term data gathering. This logging capability makes OPL-Log well suited for the standards compliant long-term testing of fiber optic components often done with the OP-METS.

- Automation**

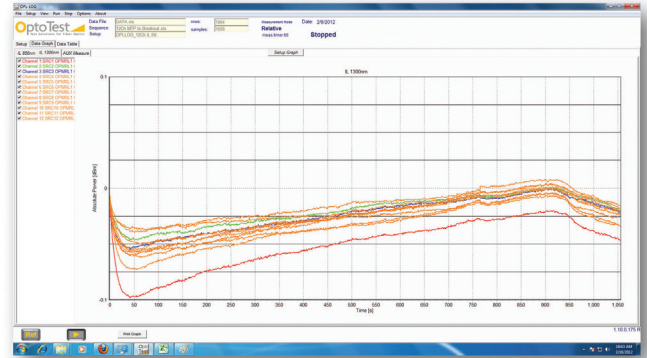
Every step of the test process is fully controlled by OPL-Log, making your testing experience simple, repeatable, and reliable.

- Integration with Third-Party Devices**

OPL-Log can control a number of third-party devices such as an ESPEC Temperature and Humidity Chamber and a Fluke Hydra to measure IL and RL relative to temperature, humidity, and other parameters. Contact OptoTest for more information about supported chambers and sensors.

- Sequential and Batch IL Measurements**

For applications that require simultaneous recording, OPL-Log has a Batch IL mode to capture IL readings from all channels of a single OPM instrument at once.



PRODUCT SPECIFICATIONS

OP-METS	Single Mode	Multimode
Source Channels	Up to 144 Channels (<i>more upon request</i>)	
Insertion Loss Source ($\pm 30\text{nm}$)	1310nm, 1550nm 1490nm, 1625nm	850nm, 1300nm
Return Loss Source	1310nm, 1550nm 1490nm, 1625nm	850nm, 1310nm
Source Stability ⁽¹⁾	$\pm 0.02\text{dB}$	
Optical Power Meter Range	IN1: +10dBm to -80dBm; IN3: +6dBm to -70dBm; SI3: +3dBm to -70dBm IN5: +6dBm to -60dBm; IN10: 0dBm to -45dBm	
Insertion Loss Accuracy ⁽²⁾	$\pm 0.01\text{dB}$	
Return Loss Range	-10dB to -80dB	-10dB to -58dB
Return Loss Accuracy	$\pm 1\text{dB}$	
Channel Repeatability	$\pm 0.05\text{dB}$	

⁽¹⁾ Per hour, per temperature variation of 1°C.

⁽²⁾ At constant temperature with less than 10dB power fluctuation.

Laser Classifications

All **OP940 Insertion Loss and Return Loss Test Sets** utilize a **Class I Laser Source**. Unless otherwise noted, all **OP250, OP715, and OP750** source units with internal laser sources utilize a **Class I Laser Source**. Unless otherwise noted, all **OP815 and OP850 Insertion Loss Test Sets** with internal laser sources utilize a **Class I Laser source**. All **OP280 Visual Fault Finder** units utilize a **Class III Laser Source**. *OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.*

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.