Overview

The **OP508** was specifically designed as a cost effective solution for measuring, monitoring and logging insertion loss or power fluctuations. It is a small (4”x2”x1.25”) portable module designed to minimize movement and bending of the reference and test cables.

This results in stable, accurate and repeatable measurements. The **OP508** is offered with a choice of 1mm or 3mm InGaAs, 2mm High Power InGaAs, or 3mm Silicon detectors; and most common connector options (FC, ST, SC, LC, etc...). It can be used with a universal adapter system or fixed optical interface to cover a wide variety of applications.

The USB-powered module connects directly to the computer. OptoTest provides drivers and applications that allow the user to perform common measurement tasks such as EXCEL data logging or time-stamped stability measurements.

USB-powered and controlled

Contacting OptoTest Corporation

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Notice of Proprietary Rights

MnOP508-RevD

Warranty Information

OptoTest Corp. warrants this product to be free from defects in material and workmanship for a period of one year from date of shipment. During the warranty period we will, at our option, either repair or replace any product that proves to be defective. To exercise this warranty contact OptoTest Corp. headquarters. You will be given prompt assistance and return instructions. Repairs will be made and the instrument returned, transportation prepaid. Repaired products are warranted for the balance of the original warranty period, or at least 90 days.

NOTE: Do not send instruments for any reason without contacting OptoTest headquarters first.

OP508
online resources

OptoTest
Test Solutions for Fiber Optics

OP508
Fiber Optic Power Meter
Short Instructions

OP508

Features

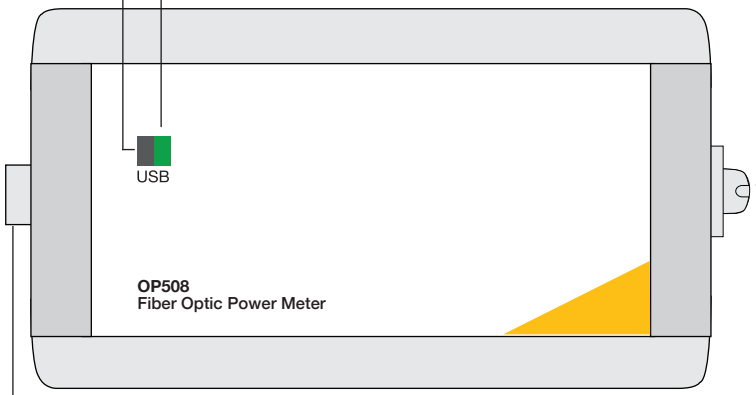
- Broad wavelength spectrum
  - InGaAs: 830nm to 1700nm
  - Silicon: 400nm to 1100nm
- Measurement range
  - InGaAs: +6dBm to -72dBm
  - Silicon: +3dBm to -65dBm
- Relative accuracy of 0.02dB*
- Measurement display resolution down to 0.001dB
- Fast data acquisition rate without compromising measurement accuracy
- Variable sampling rate via software
- Integrated temperature monitoring eliminates the need for an additional temperature sensor during long term stability tests

** Loss less than 10dB*

Applications

Stability and Long Term Loss Characteristic of Optical Components

Bundled with the **OPL-5** Optical Power Meter Software, the **OP508** is a cost-effective solution for measuring the stability of passive fiber optic components and optical sources. In order to record accurate, long term stability test results, it is critical to monitor the ambient temperature. The **OP508** has an on-board thermometer to record this data without any additional equipment.



USB Activity
During data transfer to and from the USB port the green LED flashes briefly.

USB Power
The **OP508** module is powered by the USB port. If USB power (+5VDC) is present the yellow LED illuminates.

Optical Port
Depending on the option the **OP508** is equipped with either a fixed optical interface, typically of the type FC/PC, ST/PC or SC/PC. The **OP508** is also available with a 5/8" thread on adapter system for which the most popular adapters are available.

If not in use the optical port should be kept clean from dust and covered with the appropriate cap.

USB Port
Use USB A-B cable to connect to the computer port. The USB port delivers power to the module and provides the high speed data interface to the computer.