

OP508

Fiber Optic Power Meter

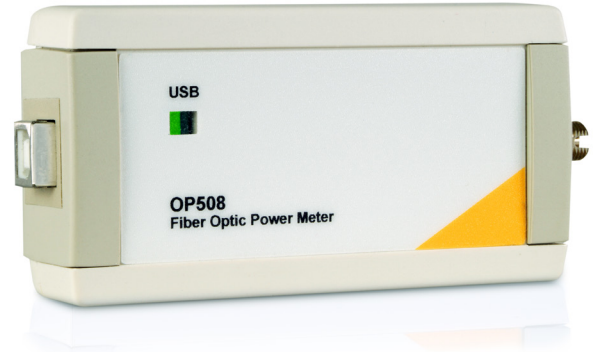
Overview

Fiber Optic Power Meter Module

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 comes with a fixed optical interface allowing for 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.



Model OP508 Fiber Optic Power Meter

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



USB-powered and controlled

* 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.