Measurement Devices

santec

LASER COMPONENTS®

OPH-100

Handheld Optical Power Meter

Product Overview

Santecs versatile OPH-100 Handheld Optical Power Meter is a full-featured, rugged, and accurate measurement instrument essential for installers, contractors, and field technicians needing to test power, loss, continuity, and faults on all types of fiber optic systems. Large backlit display that can be read in difficult lighting conditions, strong moisture resistant polycarbonate case with shock protection, an integrated dust cover that doubles as a stand, and long battery life with flexible power options make the OP310 an ideal tool for outside work in harsh environments.

Features

- One-Touch autotest capability
- Tone detection with multifiber ID
- Slow mode power averaging for unstable sources or modulated inputs
- Large internal memory supports cable naming and time stamps
- Simple controls with large backlit LCD display
- Interchangeable connectors
- Option visual fault finder
- Long battery life
- Rugged moisture resistant case

Applications

- Field insertion loss testing
- Field polarity testing
- Simplex, Duplex and MPO/ MTP IL Testing
- Fiber identification

Compliance

- IEC-61300-3-4

Germany and Other Countries
Laser Components Germany GmbH
Tel: +49 8142 2864–0
Fax: +49 8142 2864–11
info@lasercomponents.com
www.lasercomponents.com

Handheld Optical Power Meter

One-Touch Autotest Capability

One-touch autotest synchronizes the instrument settings and test process with a compatible Santec light source, such as the SLH-100, using the fiber under test. Enables fast, reliable, and repeatable testing in less time and with fewer user errors. Up to 6 wavelengths can be tested, with 3 wavelengths displayed simultaneously along with the nominal power level for each source.

Tone Detection with Multi-fiber ID

When used with the Santec SLH light source incorporating multifiber ID, the OPH-100 can identify up to 12 different fibers, in addition to standard optical test tones, i.e., 270 Hz, 1 KHz, and 2 KHz. This makes continuity testing, polarity testing, and fault finding fast and reliable.

Slow Mode Power Averaging for Unstable or Modulated Signals

Built-in power averaging mode ensures reliable and accurate measurements when a light source is pulsed or unsteady.

Large Internal Memory Supports Cable Naming and Time Stamps

The OP310 internal memory records up to 1,000 4-wavelength tests with the date and time. Users can input and store up to 20 cable text ID tags using the front panel controls. A standard USB port on the unit enables unlimited storage using an external USB drive.

Simple Controls with Large Backlit LCD Display

Multi-function buttons make accessing all measurement modes and features easy and intuitive. Up to 3 measurement wavelengths and power levels can be displayed simultaneously. High contrast display can be read in bright sun; backlight can be used in dark environments.

Germany and Other Countries
Laser Components Germany GmbH
Tel: +49 8142 2864–0
Fax: +49 8142 2864–11
info@lasercomponents.com
www.lasercomponents.com

LASER COMPONENTS®

Comprehensive Measurement Information with High Resolution

The meter displays mW, µw, nW, dB, and dBm with 0.01 dB resolution and no range changing delays. Separate reference values for each wavelength are also stored and displayed.

Interchangeable Connectors are Protected Against Drops and Impact

The OPH-100 accommodates all industry standard fiber optic connectors, including FC, LC, ST, D4, MU, LSA-DIN47256, and E2000. Built-in bumpers and an integral dust cover protect the connector interface against damage and contamination. The dust cover doubles as a stand when used on a benchtop or other surface.

Optional Visual Fault Finder

The OPH-100 can be ordered with an optional 650 nm Visual Fault Finder with an output power of 2 ±1 dBm for locating fiber breaks, bad splices, pinched fibers, bending losses, cracked connector ferrules, and more. Defects are easily identified by the bright red light escaping from the fiber or ferrule. Reduces the number of instruments needed to be held by the operator during aerial or underground work.

Long Battery Life and Flexible Power Options

An operating time of up to 1,000 hours allows for more time spent testing and less time and money spent changing batteries. The OPH-100 can be powered using two AA-type alkaline batteries, rechargeable NiMH batteries, or external micro USB power. Internal NiMH battery charging can be selected by moving a jumper in the battery compartment.

Rugged Moisture Resistant Case for Maximum Durability in the Field

The OPH-100 features a strong, moisture resistant polycarbonate case with rubber edges and corners to withstand harsh outside environments. The case has been designed and tested to withstand one meter drops onto a hard surface.

Germany and Other Countries
Laser Components Germany GmbH
Tel: +49 8142 2864–0
Fax: +49 8142 2864–11
info@lasercomponents.com
www.lasercomponents.com

LASER COMPONENTS®

Ordering Scheme & Instructions

1. Configure OPH Handheld Optical Power Meter

OPH-100 - □□□ - □□□

DETECTOR	
GE5	5mm circular germanium
GE7	7mm rect detector
IN	Universal Lensed InGaAs
SI5	5mm Silicon Detector

OPTION	
VFL	Visual Fault Locator

In the Box

OPH-100 - Handheld Optical Power Meter

- OPH-100
- Optical power meter adapter
- 2 AA batteries
- Rugged case
- Lanyard

Germany and Other Countries
Laser Components Germany GmbH
Tel: +49 8142 2864–0
Fax: +49 8142 2864–11
info@lasercomponents.com
www.lasercomponents.com