LIGHT SOURCE

Overview

This is our new-type light source.
It provides single to quad-wavelength output including 650nm visible light source and 850/1300nm wavelength for multi-mode fiber or 1310/1550 nm dual-wavelength for single mode fiber. Together with new-type power meter, they combine the accurate test solution for the optical fiber networks.

1. Specifications

Type	FOPM002
Operating wavelength(nm)	1310/1550 (others specify on requests, Max wavelength is 5)
Applicable fiber	SM ,MM
Laser type	FP-LD(others specify on requests)
Maximum Output Power(dBm)	-7(can be adjustable, others specify)
Stability(dB, 15min, 20℃)	±0.1
Stability(dB, 30min, 20℃)	±0.05
Modulation(Hz)	CW, 270, 1K, 2K
Fiber Port	FC/PC or FC,SC,ST interchangeable
Alkaline Battery	3XAA, 1.5V
Battery Operating time(h)	45
Operation Temperature(℃)	-10 ~ +60
Storage Temperature(℃)	-25 ~ +70
Outline size (mm)	200 X90 X50
Weight(g)	285

Notes:
1. Wavelength Range: Specified standard operating wavelength range in which the Power Meter can work properly under certain technical specifications.
2. Power Measurement Range: The maximum and minimum range in which the Power Meter can work properly.
3. Uncertainty: Difference between two measurement results that were tested by Power Meter and another
Standard Power Meter respectively.

2. Standard packages
- Handheld Power Meter
- Manual
- Protective Holster
- Cotton Swabs
- Adapter

3. User Manual

3-1 Components Guide

⏻ Key:

Press the key to turn the unit on/off.

(1) ⎡C W⎤ Key:

Modulation adjustment/wavelength identifying Laser on. After on the tester, firstly press ⎡C W⎤, to laser on the light source. Short press ⎡C W⎤ shift the frequency. (270. 1K. 2KHz) OHz means do not Loading frequency.

Long press enter into/exit the wavelength identify mode, on the right top of the screen "-AU" display when enter into the wavelength identify mode.

(3) **λ** Key:

After on the tester, first press **λ** to laser on, then press **λ** to selsct the wavelength and display the current wavelength on the left top of the screen.

(4) ☀ Key: Press to on/off the back light

3-2 Operation and Notes

(1) ⏻ Press the key about one second to switch on Handheld Light Source, default wavelength is 1310nm.

(2) Press the ⏻ key for a few seconds to turn off the unit

3-3 Absolute power measurement

(1) Turn on the Light Source

(2) Press the **λ** key to switch between the wavelengths. The default wavelength is 1310nm.

(3) Press the ⎡C W⎤ key, choose the "CW","270Hz","1KHz" or "2KHz" light output

3-4 . Maintenance

If the Handheld Light Source is not used for a long time, the light output port must be protected with the dustproof hat.

When the Handheld Light Source is used for a period of time, the output port maybe polluted. It results in the output power decreasing. So the connector must be cleaned with alcohol cotton. If it couldn't be cleaned, please send it to the manufacturer.

Once not using for a long time, please take out the battery.

Don't take apart the Handheld Light Source please. If there are any other troubles, please contact with the manufacturer.

DO NOT look into Handheld Light Source adapters directly when light source is on, laser output does harm to your eyes.

3-5 Warranties and Service

Caution: Repair it in the field is NOT recommended.

Warranty for Handheld Light Source

Our Company. warrants that Light Source will be free from defects in material and workmanship for a period of 18 months. This warranty covers the original user only and is not transferable. Should the device fail at any time during this warranty period, Our will, at its sole discretion, replace, repair or refund the purchase price of the product.

This warranty is limited to defects in workmanship and materials and does not cover damage from accident, acts of God, neglect, contamination, misuse or abnormal conditions of operation or handling.

To establish original ownership and provide date of purchase, please complete and return the registration card to Our Company. This warranty will not go into effect until we have received the warranty registration.

A warranty registration card is included with the original shipment of equipment. Please take a few moments to fill out the card and mail or fax it to us to ensure proper initiation of your warranty term.

To return a defective product for warranty coverage, contact us for a written authorization. Failure to properly protect the product during shipping may avoid this warranty.

We will pay the return transportation fee for products repaired or replace in warranty. Before making an repair not covered the warranty, We will estimate cost and obtain authorization, then invoice for repair and return transportation. We reserves the right to charge for all testing and shipping costs incurred, if test results determine that the device is without defect.