

OLS1315A

Optical Light Source

User's Manual

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The information contained in this document is assumed to be correct and current. The manufacturer is not responsible for errors of omissions and reserves the right to change specifications at any time without notice.

1. Overview

The handheld Light Source is designed to meet the high-end requirements. It features portable size, stable output wavelength and high stability of output power. Optional frequency mode is easily for the identification of the optical fiber. It is able to provide single to quad-wavelength output for the single mode fiber or multimode fiber. Together with our Handheld Power Meter, they combine a perfect test solution for the installation and maintenance of fiber optic projects.

2. Features

Locates breaks, Micro-bends even through jacketed fibers
End-to-end fiber identification
Stabilized Output Power
High Reliability

3. Applications

Telecommunication networks
CATV networks
Cabling systems engineering
Research and education

4. Technical Specifications

Product	Handheld Light Source			
Operating Wavelength (nm)	650	1310/1550	850/1300	Max quad-wavelength combination
Emitter	FP- LD			
Output Power (dBm)	0	-7	-7	
Modulation	CW,2Hz	CW, 270Hz, 1KHz ,2KHz,		
Fiber Type	SM/MM			
Optical Interface	FCuniversal adapter	FC/PC		
Power Supply	1.5V batteries			
Rechargeable Time (h)	12 (typical)			
Operating Temperature (°C)	-10 ~ +60			
Storage Temperature (°C)	-25 ~ +70			
Battery Operating Time (h)	45			
Weight (g)	180			
Dimension (mm)	152 x 74x26			

Ordering information:

(Three-Wavelength) Handheld Light Source -X-Y

X: Emitter Type, FP-LD,DFB. LED;

Y: Operating Wavelength: 850/1300nm,1310/1550nm

5. Standard Packages

Unpack this Handheld Light Source package and check that the following standard components are included with your order.

The Handheld Light Source.....	1
Manual.....	1
Protective Holster.....	1
Cleaning Swabs.....	1
1.5V battery.....	3
Portable Bag.....	1

Your order has been provided with the safest possible packing, but shipping damage does occasionally occur. Inspect your order carefully for damage that may have occurred during shipment. If you discover any shipping damage, please notify the carrier and us immediately.

6. Panels and Functions



Keys and Functions:

- (1) The output interface: FC/PC connector.
- (2) Liquid Crystal Display: For wavelength display; Modulation indicator.
- (3) "ON/OFF" Key: Press it to turn the Handheld Light Source Light on or off.
- (4) "Wave" key: Press this key to switch the wavelength.
- (5) "Mode" key: Continuous wavelength light output or modulated light output can be selected by pushing "Mode" key. When modulated light output is selected, a dot appears in LCD.

7. Operation

7.1 Press "ON/OFF" key about one second to switch on this unit.

7.2 To use this light source.

1. Connection: FC/PC connector.
2. Wavelength selection: Press "Wave" key for wavelength selection.
3. Modulation: Press the "MODE" key, choose the "CW", "270Hz", "1KHz" or "2KHz" light output,.

7.4 Switch off: Press "ON/OFF" key to turn the unit off.

8. Maintenance

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

8.2 When the Dual-wavelength Handheld Light Source is used for a period of time, the output port may be 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.

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

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

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

9. Trouble-shooting

No.	Problem	Measures
1	The output light is unstable or decreases rapidly while operation.	Replace battery or re-charge battery.
2	Output power is fluctuating.	First warm it up for 15 minutes, then operate it.
3	The output port is polluted.	Clean the connector with alcohol smoothly or contact with supplier.

10. Warranties and Service

Caution: Repair the Handheld Light Source in the field is NOT recommended.

10.1 18 months Warranty for our series Dual-Wavelength Handheld Light Source, We warrants that every Dual-wavelength Handheld 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, We 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 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 return transportation for products repaired or replace under the warranty. Before making repairs 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.