



XtendLan

XL-FLS1315

**USER'S GUIDE
Optical Laser Source**

WARNING

You are cautioned that changes or modifications not expressly approved in this document could void your authority to operate this equipment.
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTE

As the laser is harmful to the eyes, do not attempt to disassemble the cabinet.

Precautions for Use

Use batteries

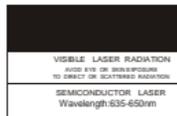
At the same time, can not use different style or different capacitance batteries. And only charge the rechargeable batteries.

Avoiding condensation problems

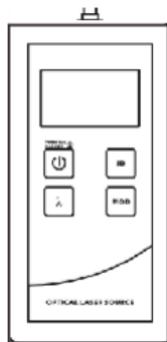
As much as possible, avoid sudden temperature changes. Do not attempt to use the drive immediately after moving it from a cold to a warm location, to raising the room temperature suddenly, as condensation may form within the drive. If the temperature changes suddenly while using the drive, stop using it and take out batteries for at least an hour.

Storage

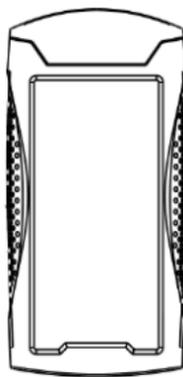
When long time no use, must take out the batteries to avoid destroying the device!



Check the accessories Standard Edition



Host

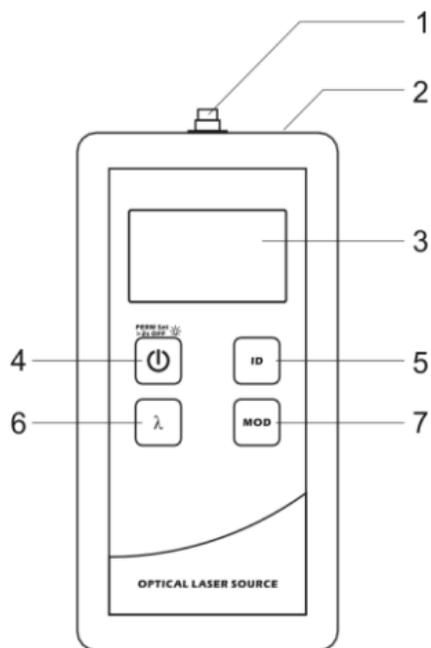


Rubber Jacket



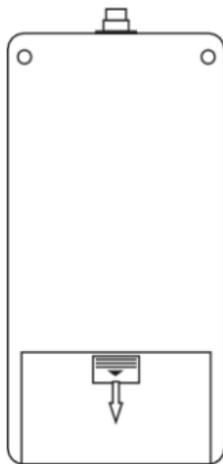
Soft Bag

Description



- 1 Laser Source Connector
- 2 AC/DC Socket
- 3 LCD
- 4 Power Button
- 5 Wavelength ID
- 6 Output wavelength switch button
- 7 Load modulation

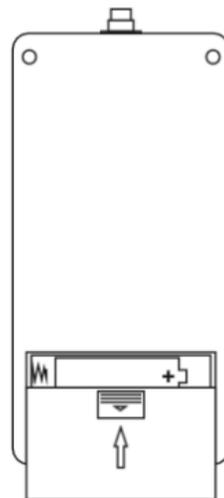
Installing the battery



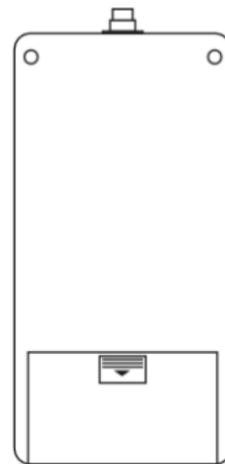
1. Pull the battery cover



2. Installing the battery



3. Push the battery cover



4. Complete

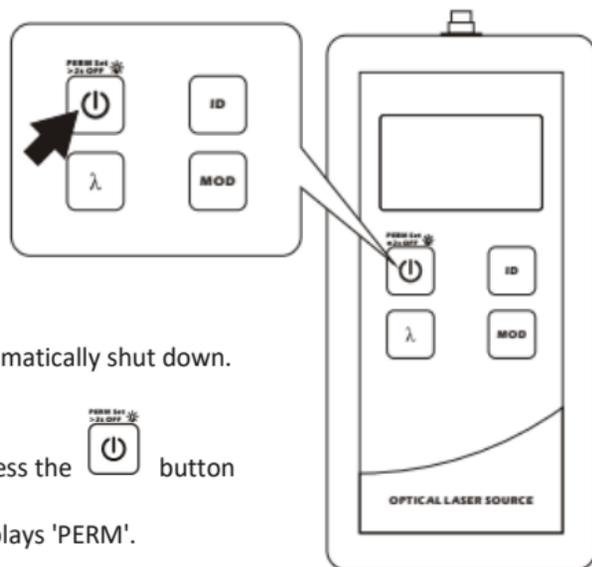
On/Off and Permanent On

Press  button to turn on the meter .

Press button again for two seconds or more to turn off the meter.

This meter has power-saving function, if ten minutes without any operation, the device will automatically shut down.

If you need to disable this function, only need to press the  button for 2 seconds when you turn on the meter till it displays 'PERM'.
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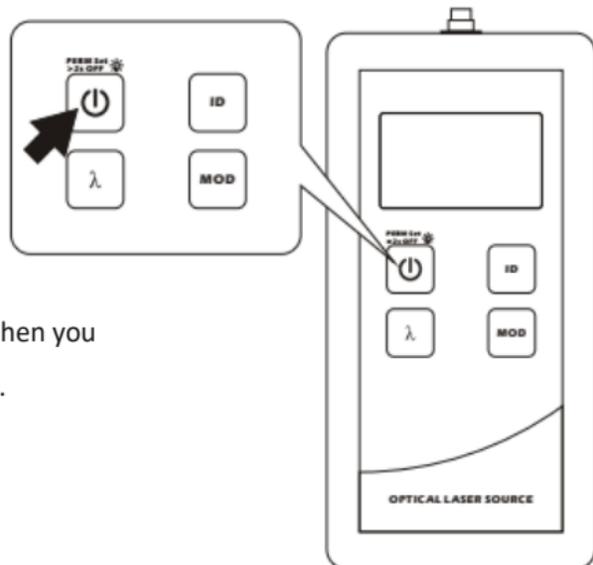
Backlight Function

When the meter is power on , short press the

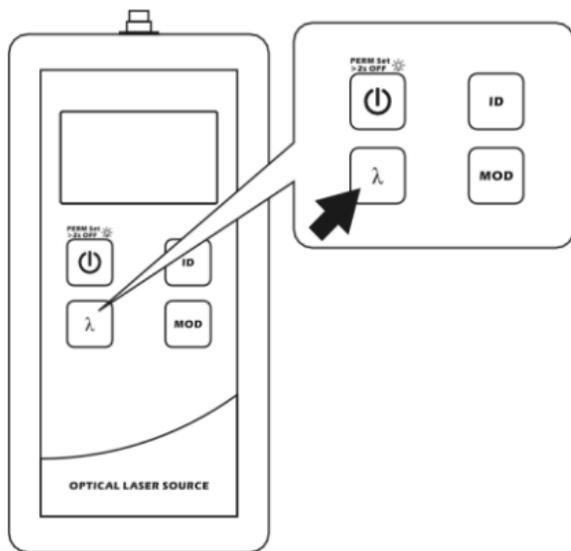


button, you can control the backlight

function on or off. The backlight function is used when you want to use the meter at night or darker occasions.



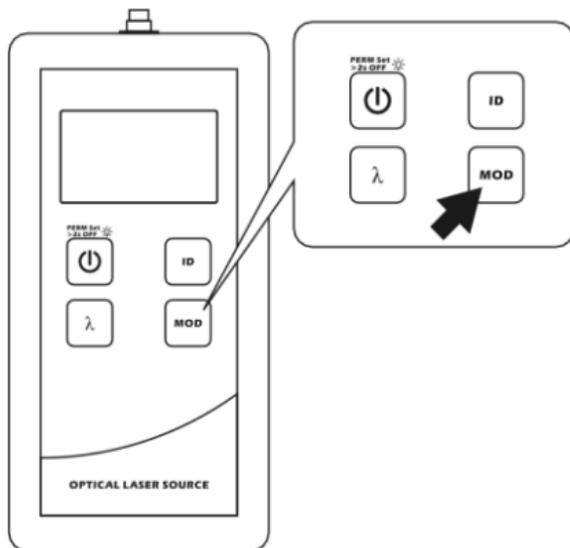
Select Wavelength



After pressing  button, you can select the required output wavelengths. Details refer to the parameters table.

The power meter or other measuring equipments should select correspond wavelength of laser source.

Modulation output

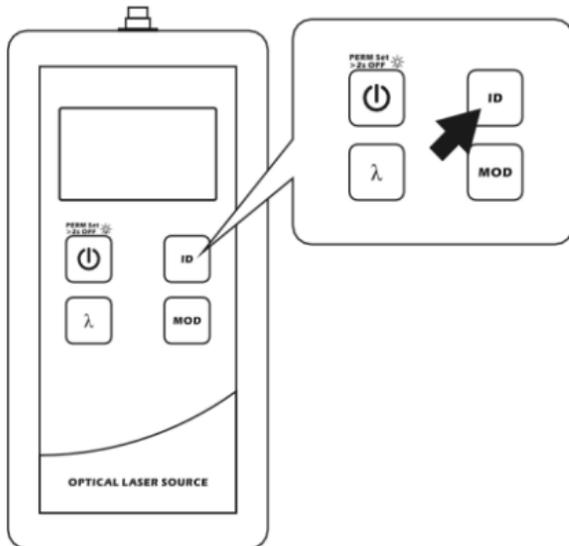


After pressing  button, you can load a modulation current output laser.

This instrument has three modulation for selection:

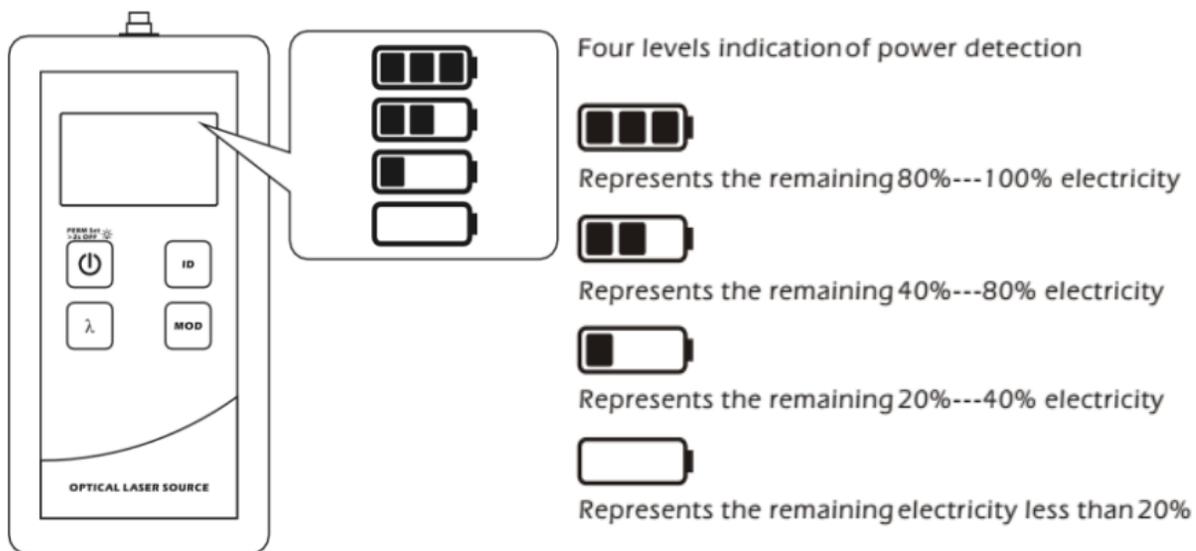
270Hz, 1 kHz, 2 kHz.

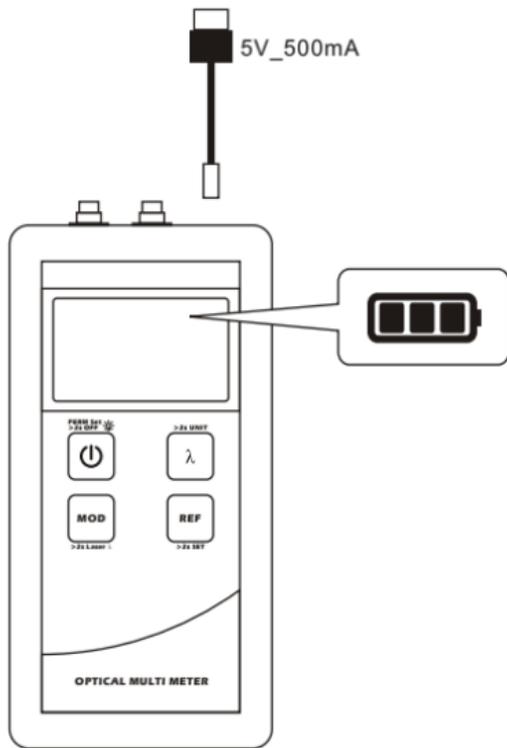
Wavelength identification



Press  Button. the laser source will output with wavelength ID and LCD will display 'Id'. and if works with the paired power meter with WAVE ID function. the optical power meter will change to the same wavelength automatically.

Power Indicator





Charge

The instrument has a charging function. When use rechargeable batteries and a low battery indication shows on the instrument, you should promptly shut down it and recharge. Long time under voltage will shorten the lifetime of the rechargeable battery.

Connect the AC adapter to the device correctly, it can charge automatically. Besides, computer USB port can also be used for charging. The battery remaining indicator keeps flashing during charging. It will stop when the charging is finished. The battery has finished the fast recharge and can be used directly. If you do not stop recharging at this time, the instrument will continue the trickle charge state, using small current to supply natural discharge. But this process is not more than 48 hours.

The instrument can still be used while charging. But do not plug in the AC adapter when it isn't rechargeable battery inside, or it will cause a high temperature and combustion, even explosion.



Detail parameters

Output length }nm]	1310 / 1550
Output power	> -6dBm
Laser type	Fabry-Perot Laser Diode
Optical adapter	FC/PC
Modulation wave	270Hz / 1kHz / 2kHz
Auto off	Yes
Battery type	2x AA
Battery lifetime	> 40 hours
Waterproof	Can prevent small splash
Size (h, w, d)mm	140 x 62 32
Weight	174g