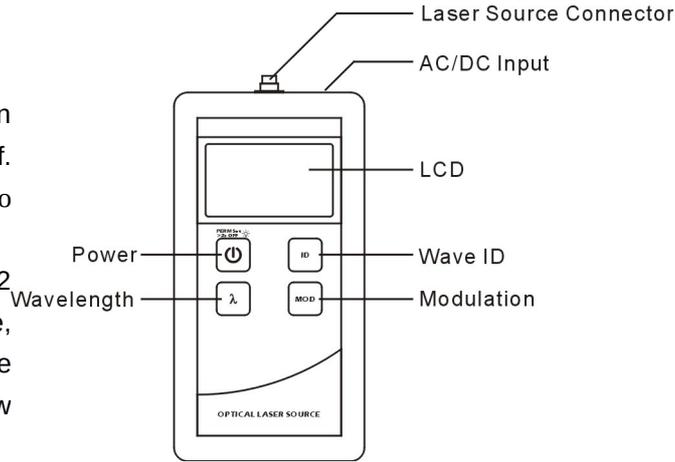# USER'S GUIDE

OPTICAL LASER SOURCE

Warning

Please read the manual carefully when you use the device.

Open the device without authorization will lose its warranty.

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

If the temperature changes suddenly while using the drive, stop using it and take out batteries for at least an hour.

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

Dont use the device in rain or wet condition

On/Off

Press "Power" key to turn on the device with auto power off. Also press it for 2 seconds to shut the device.

Press "Power" key for 2 seconds to turn on the device, the auto power off can be canceled, the LCD will show "PERM".

Press it to turn on/off the backlight when device is on

Wavelength Select

λ Press ""key for shifting the wavelength.

Modulation Select

Press "MOD" to select modulation: 270Hz or 1KHz or 2KHz.

Wave ID

Press "ID" to output the laser with wavelength ID, the optical power meter which has WAVE ID function can change to the same wavelength automatically

Battery charge

First you must use the rechargeable batteries. When the energy is less than 20%, you should charge the batteries.

Long time low energy, the life of the batteries will be short.

When charging, the battery charging indication will be on.

Don't charge for more than 12 hours. If charging while using the device, the time will be longer.

The rechargeable batteries must be in device when you use the AC/DC adapter for charging.

And do not charge the non-rechargeable batteries, or the device will be destroyed and also lose the guarantee.

Main Characteristic

Wavelength (nm)	850 & 1300	1310 & 1550	1310 & 1490 & 1550
Stabilization*	±0.05dB / 1 hour; ±0.1dB / 8 hours		
Output Power	> - 6 dBm @ 1310nm/1490nm/1550nm/1625nm		
	> -10 dBm @ 850nm/1300nm		

Modulation	270Hz, 1KHz, 2KHz
Connector	FC/PC (or customize)
Auto Power Off	No operation in 10 minutes (can be canceled), Low battery energy
Battery Charge	Yes
Operate Time	Above 16 hours (1800mAH battery)
Storage Temperature	-20 -- +60 ℃, < 90%RH
Operating Temperature	-10 -- +50 ℃, < 90%RH
Power Supply	AA * 2 batteries or AC/DC power supply adapter
Size	160mm * 75mm * 32mm
Weight	About 180g

* After 5 minutes warm-up, 20±3℃, CW, FC connector

Accessories

Standard	Carrying bag	1
	User's manual	1
	Calibration certification	1
Optional	AC/DC adapter	1