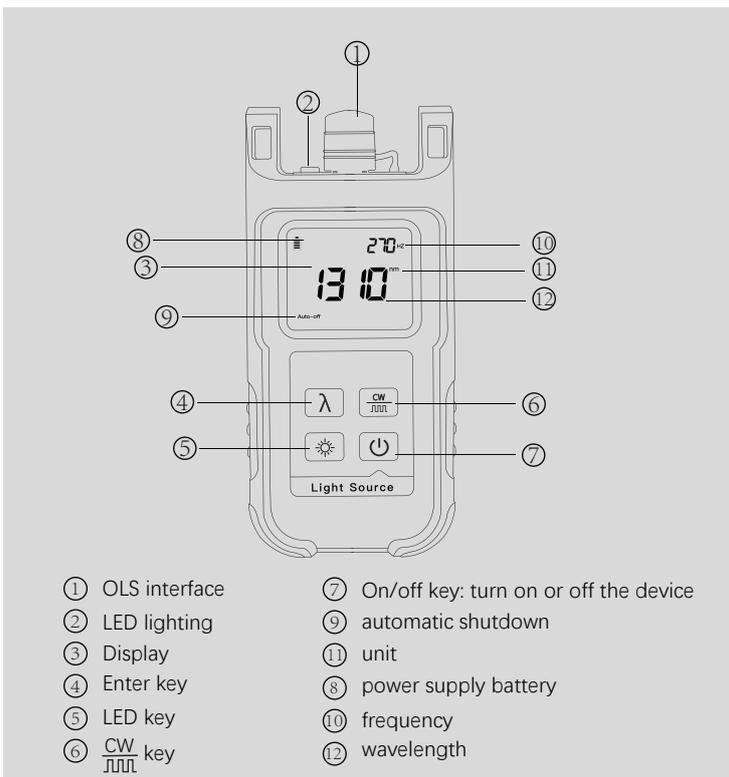


# TLS-35m stable light source instruction manual

## Products introduction

The TLS-35 fiber optic light source is characterized by stable output optical power, wavelength and spectral width with a small range of stable changes. Provide single-mode fiber measurement (1310nm/1550nm) dual-wavelength laser output and multi-mode fiber measurement (850nm/1300nm) dual-wavelength laser output, and can also provide single and multi mode (850nm/1300nm/1310nm/1550nm) four-wavelength laser output And (1310nm/1490nm/1550nm) three-wavelength laser output. Mainly used for FTTX network and fiber optic testing. When combined with Optical power meter, it is used to measure optical power and end-to-end optical loss.



## 1 Power-on and power-saving function settings

### Auto-off

The equipment will turn on after pressing the "⏻" key. Press this button again for more than two seconds to shut down.

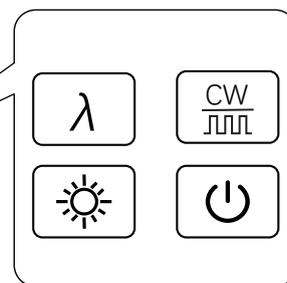
This instrument has power saving function, normal there is no operation for about ten minutes after booting, The device will automatically shut down. If you need a screen Shield this function to keep the equipment working all the time Status, just short press "on" when booting Key, "Auto-off" at the bottom left of the meter display. Disappearing means that the power saving function is cancelled.



## 2 Backlight control



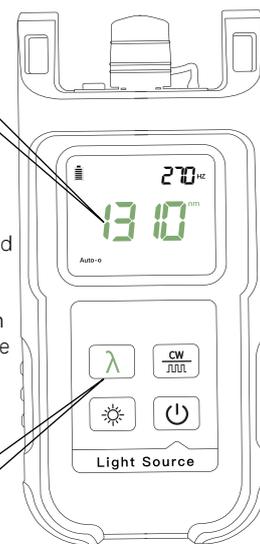
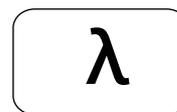
In the power-on state, the backlight will automatically turn off after a period of time. After turning off, press any key to activate the backlight. The backlight is used to illuminate the instrument display at night or in dark places.



## 3 Wavelength selection



According to the needs of the project, select the corresponding wavelength to match the optical power meter. After the meter is turned on, press the "output wavelength" key, the output wavelength and length will be switched to the corresponding wavelength in turn, and will be displayed on the display. The laser light source of this series can provide 1310nm and 1550nm dual-wavelength laser output according to demand.



## 4 Carrier output



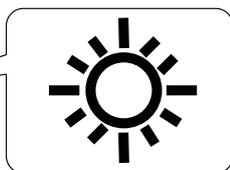
In the actual project, it is necessary to load the audio carrier in the optical signal to identify the optical fiber. The equipment contains three carrier frequencies, which are 270Hz, 1KHZ, and 2KHZ. After pressing the "modulated carrier" key, the equipment will load different carriers in sequence, and the display will be displayed at the same time. The current carrier frequency will be displayed on the screen.



## 5 Calibration function description



Press the "illumination" button to turn on the LED lighting, which is convenient for construction and operation in a dark environment.



## 6 Products introduction

- 2.5mm universal interface + SC adapter
- Output power -5dB
- SM wavelength 1310nm/1550nm
- SM&MM wavelength 850nm/1300nm/1310nm/1550nm
- Silica gel shell protection design, 2m anti-fall
- MM wavelength 850nm/1300nm
- PON wavelength 1310nm/1490nm/1550nm
- Equipped with LED lights to facilitate work in dark environments



Interface accessory



SC



FC



ST

## 7 Products specification

Wavelength (nm)	1310+1550nm (TLS-35-S)
	850+1300nm (TLS-35-M)
	850+1300+1310+1550nm (TLS-35-MS)
	1310+1490+1550nm (TLS-35-PON)
Output Power	-5dB
Optical connector	SC+2.5mmuniversal (1.25mm LCOptional)
Power supply	Alkaline batteries(3 AA 1.5V batteries))
Stable output	±0.05dB/15mins; ±0.1dB/ 8小时
Modulation frequency	CW, 270Hz, 1KHz, 2KHz
volume and weight	160x85x45mm / 220g

## Use environment

- Operating environment altitude: areas below 2000m above sea level

## 8 Tips

- ⚠ Please read all instructions and warnings before using this product. Irregular use will cause It will damage the product or personal safety.

- 1) Do not store this product in high temperature, strong light and strong magnetic field environment, do not put it pace in other harsh environments such as fire sources.
- 2) Improper use of the product may easily cause the product itself or may endanger personal property Safety.
- 3) If the consumer violates the product manual and improper use, the personal and financial Property damages will bear all consequences, and the company will not bear any legal responsibility.
- 4) Non-professionals are strictly forbidden to decompose this product.
- 5) Avoid using electrical appliances or loads that exceed the output current of this product (the circuit will protect Protection, no output).
- 6) Avoid strong physical effects, including knocking, throwing, trampling, squeezing, etc.

## Standard kit

- Packing carton, stable light source, certificate, instruction manual

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