

Optical Fiber Tester

User's Manual

Warning

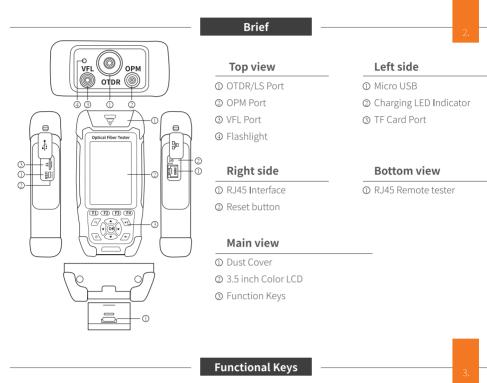
When using this instrument, please do not look directly at the optical interface or the end of the optical fiber with your eyes, avoid eye damage! Except for 1625nm/1650nm, all the others are non-on-line test wavelength, it will cause damage to the internal devices of the instrument if it is used forcibly! Any change or modification not explicitly permitted in this manual will deprive you of the right to operate the equipment. To reduce the risk of fire or electric shock, do not expose the equipment to thunderstorm or humid environment. In order to prevent electric shock, do not open the shell, it must be repaired by the qualified personnel designated by the manufacturer. personnel designated by the manufacturer. Attention

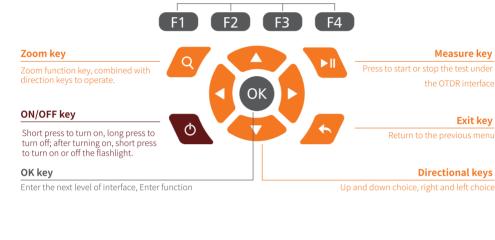
Battery: The battery in the machine is a special lithium–ion polymer battery. The charging voltage is 5V, and the charging temperature ranges from $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$. When the ambient temperature is too high, the charging will automatically terminate. The instrument battery should be charged every one month to avoid battery failure due to self–discharge after long time storage. The temperature range of the battery during long–term storage is $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$. Please use the special AC adapter attached to this instrument and use the external power supply strictly according to the specifications, otherwise the equipment may be damaged.

Fiber End Face Cleaning: Before testing, clean the end face of the tested optical fiber joint with alcohol cotton.

LCD screen: The display of this series of instruments is 3.5 inch color LCD. In order to maintain good viewing effect, please keep the LCD screen clean and clean. When cleaning, the LCD screen can be cleaned by wiping with soft fabric.

Due to the need of design improvement, the contents are subject to change without notice.





Functional keys

Correspond to the operation menu below the screen.

Turn on and enter the main menu. There are eight functional modules. Select the module by pressing the direction keys, and then press the

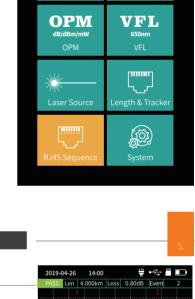
Main Interface

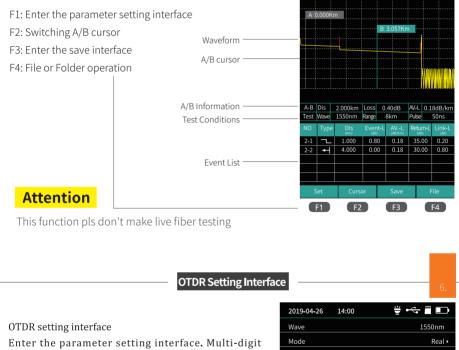
2019-04-26

14:00

Flashlight Battery Time USB 2019-04-26 14:00

"OK" key to enter the corresponding functional





OTDR

Link Information

cursor, up and down selection. ▲ ▼: Choosing settings items. Press OK button to confirm or edit corresponding

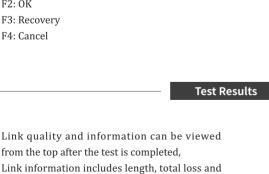
measurement parameters.

number of events.

the event list.

settings, through the left and right key positioning

F1: Test F2: OK





Avg. Time

Return Loss Thre

End Loss Thre lor

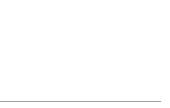
50ns ▶

1.46825 >

There are Four types of events: Non-reflective event — Fiber splitter ______

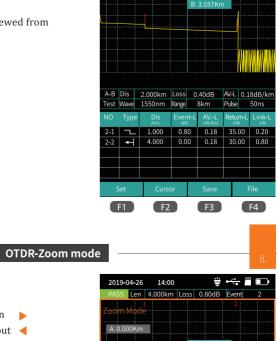
Detailed event information can be viewed from

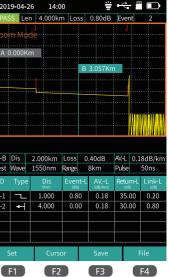
Fiber end —



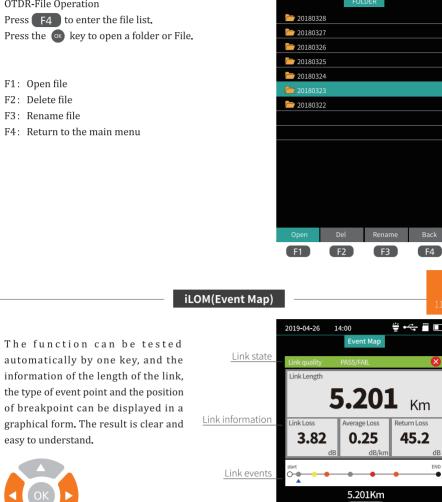
Press ot to enter zoom mode

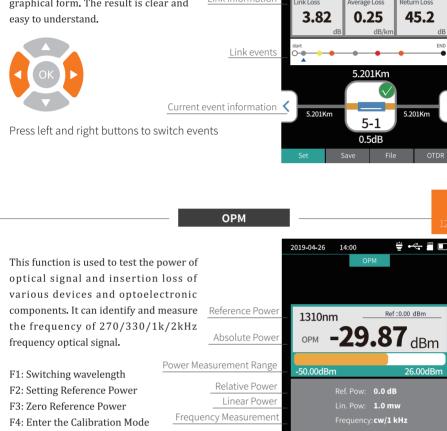


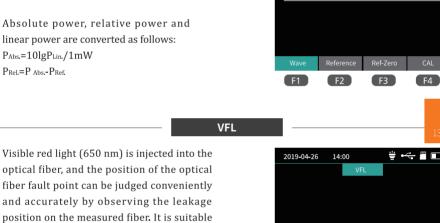












F1: Open VFL F2: VFL flash at 1 Hz F3: VFL flash at 2 Hz F4: Turn off VFL

for the detection of bare optical fibers,

by near-end faults and micro-bending of optical fibers and cables which can leak red

Avoid looking directly at the laser output port. Laser can cause damage to human retina.

light.

jumpers and other high loss sections caused $\frac{\text{Status Indicator}}{\text{Status Indicator}}$

tion loss and echo loss of optical passive devices, and wavelength responsiveness of detectors. There are five modes of light source: CW, $270~\mathrm{Hz}, 330~\mathrm{Hz}, 1~\mathrm{kHz}$ and $2~\mathrm{kHz}.$ Warning Information F1: Open LS F2: Turn off LS

The wavelength of stabilized laser source is the same as OTDR wavelength. It is used to measure the parameters of telecommunication, CATV, LAN cable, insertion loss, isola-

RJ45 Sequence

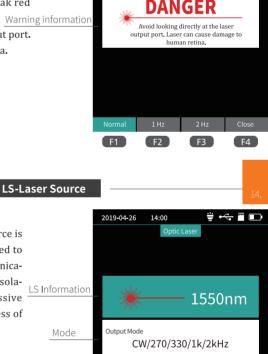
RJ45 line sequence measurement.

F4: Return to the main menu

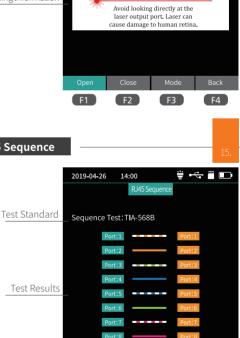
F3: Switch Line Sequence Test Standard

F1: Start Test

F3: Switch LS Wavelength F4: Switch LS Mode



650_{nm}



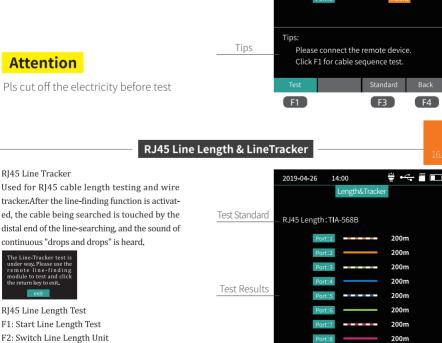
DANGER



F3: Switch Line Sequence Test Standard F4: Start Line-tracker Function

Pls cut off the electricity before test

Attention



Tips:

Click F1 for cable length test. Click F4 for cable track test.

Tips

System settings Set up automatic shutdown, backlight brightness, time,

Note: The function module is optional accessories.

F3: System Software Upgrade F4: Confirmation settings

F1: Optional for switching the current menu

language, upgrade and other information.

Switch settings entry A



Switch options of current entry

2019-04-26 Auto OFF 10 Min Back Light 50% ▶ 2019-04-25 Language English > Auto Save (OTDR) Factory Data Reset Version Information Help Update OK F4