

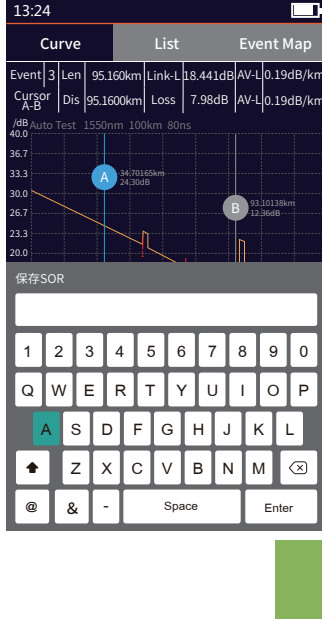


OTDR-File Save

Press the **【Save】** key to save file after test complete, pop up the keyboard, enter the name of the file, and press Enter to save the file. If the automatic save (otdr) function is turned on in "System Settings", it will be saved automatically after the test complete without manual operation.

Auto-save function

Enter the system settings, open the auto-saving function, the instrument will automatically save the test files after the average or auto-test.



OTDR-File Operation

OTDR-File Operation

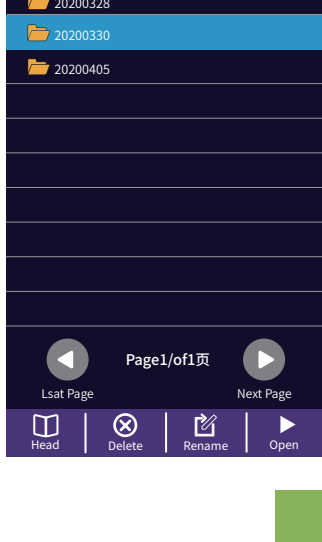
Press **【File】** to enter the file list.

Head: back to the first page

Delete: delete the current file or folder

Rename: change the name of the current file or folder

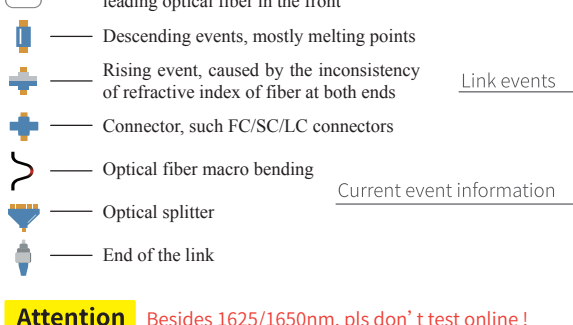
Open: open the selected file or folder



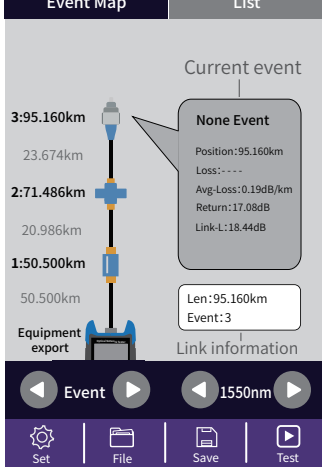
iLOM(Event Map)

The function can be tested automatically by one key, and the information of the length of the link, the type of event point and the position of breakpoint can be displayed in a graphical form.

The result is clear an easy to understand.



Attention Besides 1625/1650nm, pls don't test online !



OPM

The function is used to test the power of optical signal and insertion loss of various devices and optoelectronic components. It can identify and measure the frequency of 270/330/1000/2000Hz optical signal.

Wave: switch the working wavelength

Reference: set current power as reference power

CAL: enter the user calibration mode and calibrate with the standard light source

TWINS: identify the wavelength and frequency of the tested laser source. This function is used with the twins function of the local laser source

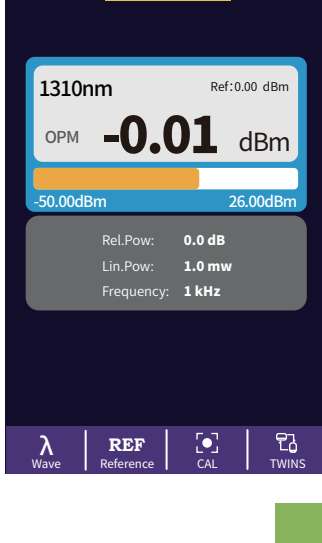
-50~+26dBm: received power > -10dBm

-70~+6dBm: received power > -30dBm

Absolute power, relative power and linear power are converted as follows:

$$P_{\text{Abs.}} = 10 \lg P_{\text{Lin.}} / 1 \text{mW}$$

$$P_{\text{Rel.}} = P_{\text{Abs.}} - P_{\text{Ref.}}$$



VFL

Visible red light (650 nm) is injected into the optical fiber, and the position of the optical fiber fault point can be judged conveniently and accurately by observing the leakage position on the measured fiber. It is suitable for the detection of bare optical fibers, jumpers and other high loss sections caused by near-end faults and micro-bending of optical fibers and cables which can leak red light.

Normal: turn on red light, continuous light

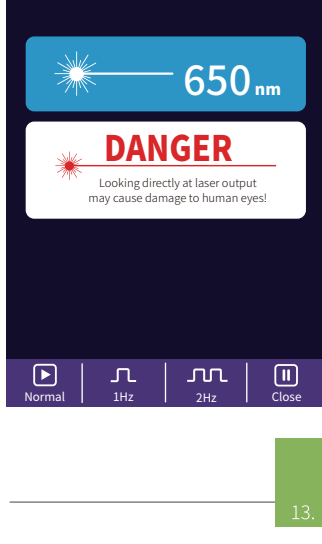
1Hz: red light source flashes once in 1 second

2Hz: red light source flashes twice in 1 second

Close: turning off red light

Warning

Looking directly at laser output may cause damage to human eyes!



Laser Source

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, isolation loss and echo loss of optical passive devices, and wavelength responsiveness of detectors.

Open: turn on the laser source

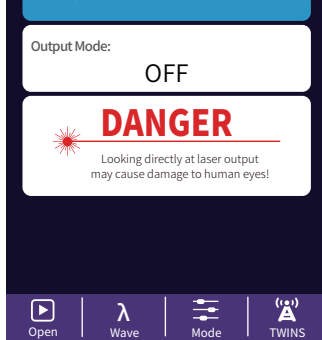
Wave: switch the wavelength, the output wavelength is consistent with OTDR

Mode: switch the modulation frequency of light source, CW/270/330/1000/2000Hz

TWINS: enter the paired output mode. This function is used with the twins function of the local optical power meter

Warning

Looking directly at laser output may cause damage to human eyes!



RJ45 Tracking

Rj45 Line Tracker

Used for Rj45 cable length testing and wire tracker. After the line-finding function is activated, the cable being searched is touched by the distal end of the line-searching, and the sound of continuous "drops and drops" heard.

The equipment can withstand voltage and prevent burning, and can be directly charged for line finding. Ethernet switch, router and other weak current equipment with DC voltage less than 60V.

Normal: open the RJ45 cable tracking function

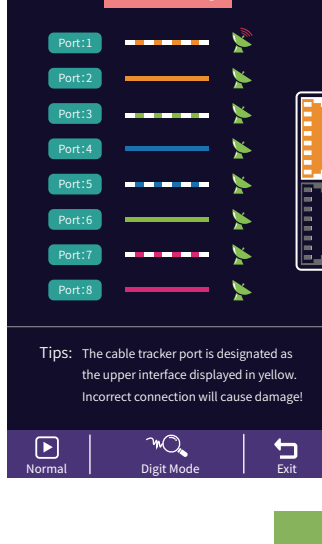
Analog Mode/Digital Mode: different route tracking methods

Standard : Digital cable tracker

Test Results

Tips

Attention The cable tracker port is designated as the upper interface displayed in yellow. Incorrect connection will cause damage!



RJ45 Sequence

RJ45 line sequence measurement.

Measure the sequence of 8-core wires inside the network cable. Please connect to the remote module when measuring.

Standard: select different network cable standards

Test: start cable sequence test

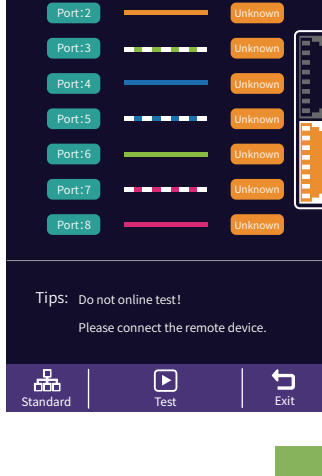
Exit: exit the cable sequence test and return to the main interface

Warning

Please do not test online!

Attention

The cable sequence port is designated as the lower interface displayed in yellow. Incorrect connection will cause damage!



RJ45 Length

RJ45 Length test: Test the length of the network cable.

Standard: select different cable standards

Unit: switch different units

CAL: adjust the test result according to the actual length, and display length = last test result × correction

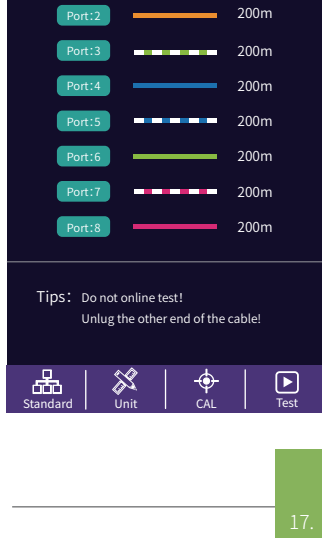
Test: start cable length test

Warning

Please do not test online!

Attention

The cable length port is designated as the lower interface displayed in yellow. Incorrect connection will cause damage!



Laser Ranging

Laser Range: the maximum test distance is 40 meters

Mode: single/Continuous/Addition/Subtraction/Angle/Pythagorean/Height1/Height2/Triangle area/Rectangular area/Volume/Speed measurement

The solid line in the measurement mode icon is the parameter to be tested

Reference plane: select a different reference plane

Starting from the bottom of the instrument, the test length includes the length of the instrument;

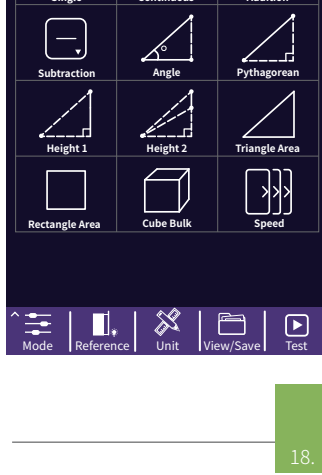
Starting from the laser emission port of the instrument, the test length does not include the length of the instrument;

Use as laser pen

Unit: switch units, with m and ft options

View / save: save the current test results and view the saved test results

Test: start length test



System settings

Auto OFF: Set auto shutdown time

Backlight brightness: Setting backlight brightness

Sound: turn the touch tone on or off

Flashlight: turn the flashlight on or off

Date & Time: set the instrument time and date

Language: displays the native language type

Auto Save: automatically save the curve file after opening

USB connection: connect to the computer after opening and transfer data

Restore factory settings: restore default parameter values

Upgrade: software upgrade

Version information: view local information and alarm records

