

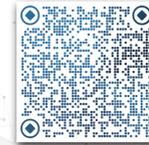


Test Mode	Average mode: applicable to accurate analysis of optical fiber lines Real Time mode: applicable to fast analysis of optical fiber lines
Test Time	In average test mode, the longer the detection time is, the more accurate the test result is.
IOR	The refractive index parameter of the optical cable. IOR selection:1.000~1.999(factory default value is 1.468)
End Threshold	It is used to judge the threshold value of fiber test terminal Threshold selection: 3dB, 4dB, 5dB, 6dB
Resolution	High resolution will have more sampling points and higher accuracy, but it will also increase the amount of data collected

You can download our manuals and software in the following link



MANUAL



SOFTWARE



FHO1500PLUS

Optical Explorer

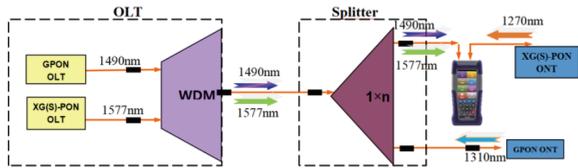


- Last mile fiber troubleshooting in FTTx
- ONU/ONT status identification
- Support live fiber test over 60km
- 1490/1310/1577/1270nm 10G PON Power Meter
- Integrated VFL, laser source and RJ45 testing
- Bluetooth connection and Mobile phone app

10G PON Power Meter

Connect the fiber from OLT side to the OLT port and connect the fiber from ONU side to the ONU port. The downlink and uplink optical power will display automatically. FHO1500PLUS has the function of 10G PON power meter, provides accurate 1490nm/1577nm power selective measurement separately and upstream 1270/1310nm power level.

OPM	
POWER	
GPON 1490 nm	-16.34 ✓
XG(S)-PON 1577 nm	-18.98 ✗
G(X)S-PON 1310/1270 nm	-16.68 ✗
dBm	



By scanning the following QR code to download the Android mobile application of FHO1500, the test file of OTDR can be quickly transmitted to the mobile phone through the FHO1500 software, and the OTDR can also be controlled by the mobile phone for testing. The analysis of the OTDR curve on the mobile phone will make it more convenient to enlarge and narrow the curve.



FHO1500 Android software QR code

- FHO-1500 Connect/Disconnect Bluetooth
- OTDR
- Cursor Browse
- Upgrade
- Ping



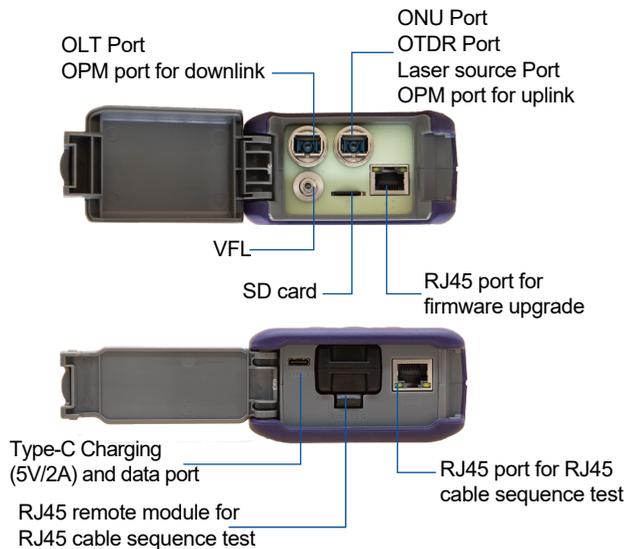
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Grandway Website



Appearance description

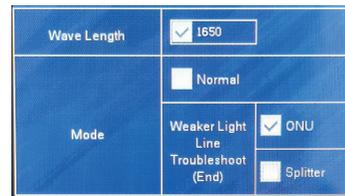
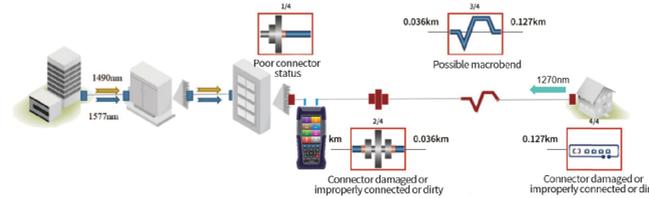


Note: Due to continuous improvement of the product, please refer to the actual product as the standard.
Be sure to use a 5V/2A adapter for charging

Button description

Name	Function
F1-F4	Enter the corresponding function in different menu
TEST	Press Test button to start testing in AI/ONU/OTDR module
Enlarge button	Used to enlarge the OTDR curve
Navigation button	Used to control up, down, left and right
OK button	Used to confirm selection and 1:1 restore OTDR curve
ESC	Exit current menu
Power	Long press for over 2s to turn on/off

Connect FHO1500 PLUS in series after the splitter and ONU. Through AI function(Innovation based Fiber link map), From the first connector loss to the end connection status of the drop cable, all kinds of faults are clearly visible. The last mile fiber quality and power level can be checked with just one button. Click "AI" module in the main menu, Press "F1" button to enter the testing setup,there are three test mode.



Test setup

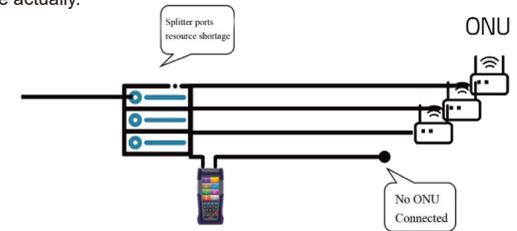


Test result

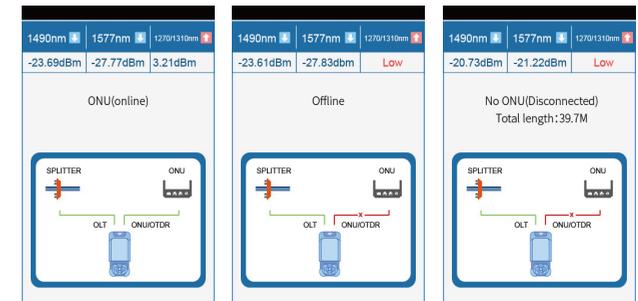
Test Setup	Description
Wavelength	Fixed 1650nm (with filter, Online light intensity not exceeding 0dBm)
Normal	Normal fiber link map test without end connection status detection
ONU	Test from splitter towards ONU to check the fiber link quality Also check if the fiber is connected well with ONU correctly
Splitter	Test from ONU towards splitter to check the fiber link quality Also check if the fiber is connected well with splitter correctly

Note: If testing last mile fiber quality from the ONU towards splitter, just connect fiber to the FHO1500PLUS ONU port. AI module is suitable to test the last mile fiber in FTTH, make sure your test location, then setup the fiber end as ONU or Splitter. This test mode will check the fiber quality between last splitter and ONU, as well as the connection status with Splitter or ONU.

FHO1500PLUS can analyze the ONU status, sometimes the drop cable is connected on the splitter output port, but there is no ONU connected in the home actually.



Click "ONU" module in the main menu, Connect FHO1500PLUS in series after the splitter to detect the ONU status. press "Test" to start the testing. There are several types of test results. (Online/Offline/No ONU).



Note: If the ONU is online, the results will be fast. If it is not online, the instrument will enable the OTDR function for detection, and the testing time will take 30-60 seconds (depending on the link situation)

OTDR

Use this function to check the OTDR curve of the fiber link.

Test: Insert the fiber into the OTDR interface, turn on the OTDR function. Before the OTDR test, press "F1" key to set the basic parameters according to the test fiber. After setting, press "TEST" key to start the test.



Test Operation	Auto mode: Automatically set the most appropriate parameters for the current measurement.
Wavelength	The wavelength of light wave OTDR can emit.
Test Distance	The range of OTDR test distance that display on the screen. It is generally set about 1.5-2 times of the actual test fiber length. Selection of test distance: 500m, 1km, 2km, 5km, 10km,
Pulse Width	The wider the pulse width is, the stronger the transmitting signal power is, and the farther the effective detection distance of OTDR is. However, a too wide pulse width will cause the saturation of the initial reflection signal and large deadzone area. Pulse width selection: 3ns, 5ns, 10ns, 30ns, 50ns, 100ns, 275ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs.