

FOH-200XGS-BASE PON Tester Quick Guide



Interface Description

SC/APC Optical Port



16GB TF Card

Upgrade Port
(Factory use)

Top interface



Type-C Port

Bottom interface



Button name	Function
F1-F4	Enter the corresponding function in different menu F1: "SET" Enter the setting menu F2: "Save" Save the current test result F4: "FILE" Enter the history files
TEST	Press Test button to retest or Clear current test data
Navigation button	Used to control up, down, left and right
OK button	Used to confirm selection
ESC	Exit current menu
⏻	Long press for over 2s to turn on/off

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Features

- Automatic PON-ID detection including OLT PON-ID, ODN class, Tx power, and ODN link pass/fail per ITU-T
- Downlink 1490nm/1577nm selective optical power measurement
- Compatible with GPON ,XG(S)-PON and Combo network
- Bluetooth connection with phone app
- Low power consumption for extended continuous use
- Support 20W quick charger



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Applications

Automatic OLT information analysis for Combo G/XGS-PON

Through connecting FOH-200XGS-BASE to the PON fiber link , it can automatically analysis extracts specific data carried in the G-PON & XGS-PON standardized by ITU-T G.984.3 Amendment 3, including OLT PON-ID, ODN class, Tx power and ODN loss

The usage scenario and results are shown in the following figure:

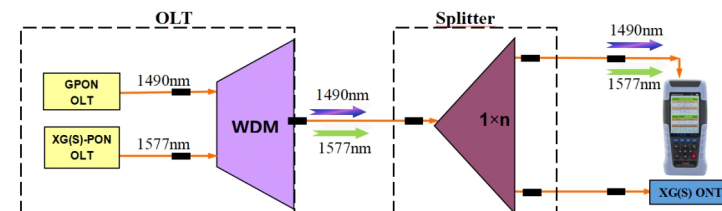


Figure1: Usage scenario (After last splitter in PON)

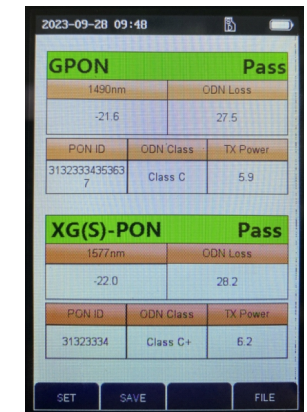


Figure2: Test result

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Setting Interface

Press F1 “Set” button to enter the setting menu, you can select PON ID format between HEX and ASCII code. Press F1 button again to change the XG(S)-PON mode or GPON mode.

Also you can select the PON standard and ODN class level.

When the standard selection is in ITU-T mode, the threshold can not be changed.

When the standard selection is in Customer mode, the threshold can be changed by user.



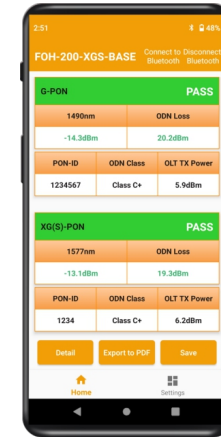
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Bluetooth Connection with Phone APP

By scanning the following QR code to download the Android mobile application of FOH-200XGS-BASE, The measurement results of the instrument can be synchronously displayed on the mobile phone. Connect wirelessly based on the Bluetooth MAC address on the back of the instrument panel. Click “Export to PDF” on the phone APP and the test result will saved as PDF format.



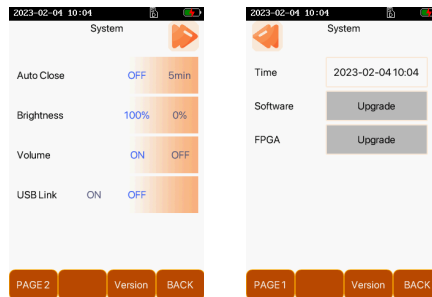
Android Software QR code



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System

Press F3 “System” button to check the instrument system information page. In system, “auto close”, “brightness”, “volume”, “USB Link”, “Time”, “Upgrade” can be set. Before upgrading, please copy the upgrade files to the UPDATE folder.



FILE

Press F4 “File” button to check the saved files. The saved files are saved in the folder name by the test date. The test files can be exported to the computer via TYPE-C USB cable.



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Parameters

Items	Specifications
Applicable Network	Version 1 GPON+XG(S)PON Version 2 GPON+XG(S)PON+EPON+10GEPON
PON Data Parsing	OLT information: OLT PON-ID, ODN class, Tx power, ODN loss
Power Measurement	Downlink: 1490nm and 1577nm selective power measurement (1550nm is optional)
Optical Interface	SC/APC
Charging Port	USB Type-C charging port 20W quick charge
Power Supply	5000mAh lithium battery; Input: 5V/2A
Data Storage	16G TF Card
Working Temp	-10°C~50°C
Humidity	5%~95%(no condensation)
Dimension	193×94×47mm
Weight	570g
Display	3.5 inch color screen
Wireless	Bluetooth connection with Android phone app