FOH-200-XGS-MAX PON Tester

Description:

With the upgrade of GPON networks to XG(S)-PON, we have launched the new FOH-200XGS-MAX to apply for the installation and maintenance testing of the upgraded Combo PON network. By connecting FOH-200XGS-MAX in series to the PON network, we can quickly and accurately extract OLT and ONU information, suitable to test GPON and XG(S)-PON at the same time.

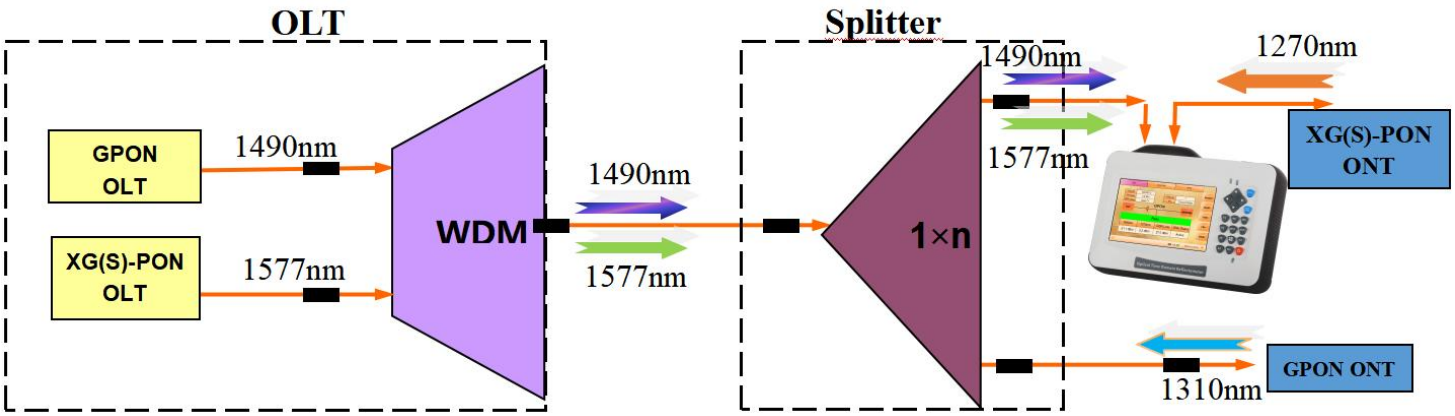
Features:

1) Automatic PON-ID detection including OLT PON-ID, ODN class, Tx power and ODN link pass/fail per ITU-T
2) ONU/ONT ID and serial number, ONU status identification(Including detection of Offline ONU and NO ONU)
3) PON resource check and mapping function
4) Downlink 1490nm/1577nm and uplink 1270nm/1310nm optical power measurement and judgement
5) Test mode: two optical ports pass through mode, low insertion loss <1.5dB (typical)
6) Compatible with GPON, EPON, XG(S)-PON, 10G-EPON(coming soon) network
7) 20dB OTDR function
8) 5 inch touch screen
9) Bluetooth connection with phone app
10) Low power consumption for extended continuous use
11) Support 20W quick charger

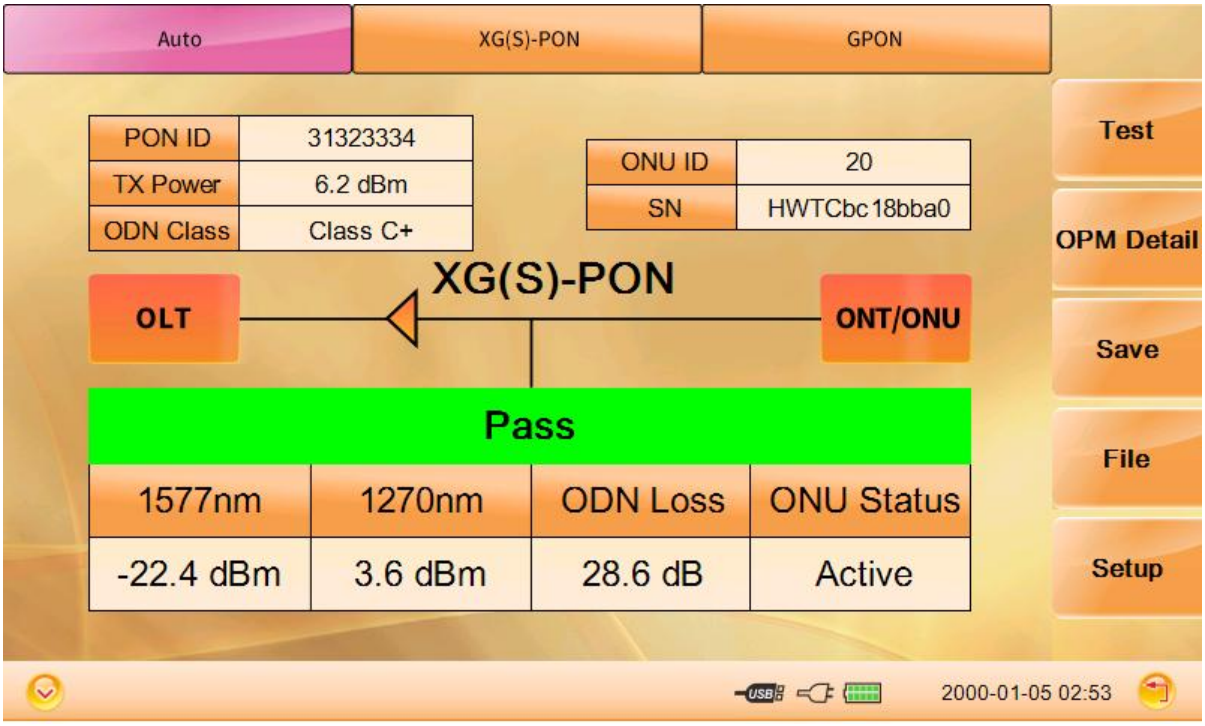
Applications:

Automatic OLT and ONU information analysis for Combo G/XGS-PON

FOH-200XGS-MAX 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 ONU/ONT ID and serial number

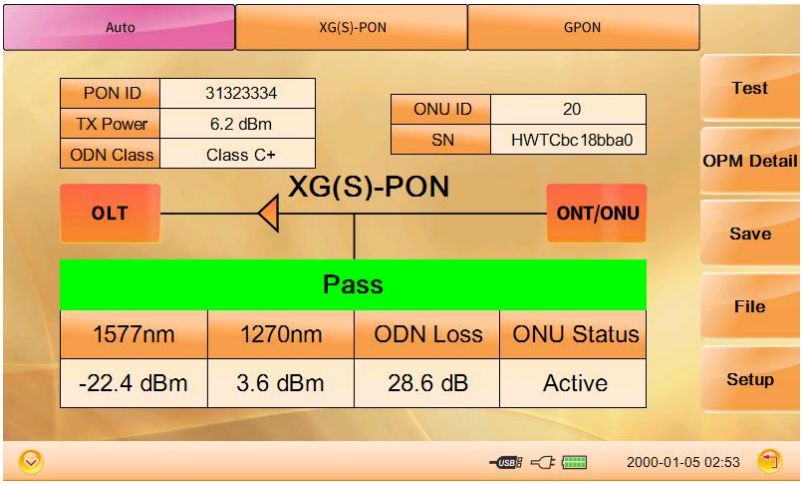


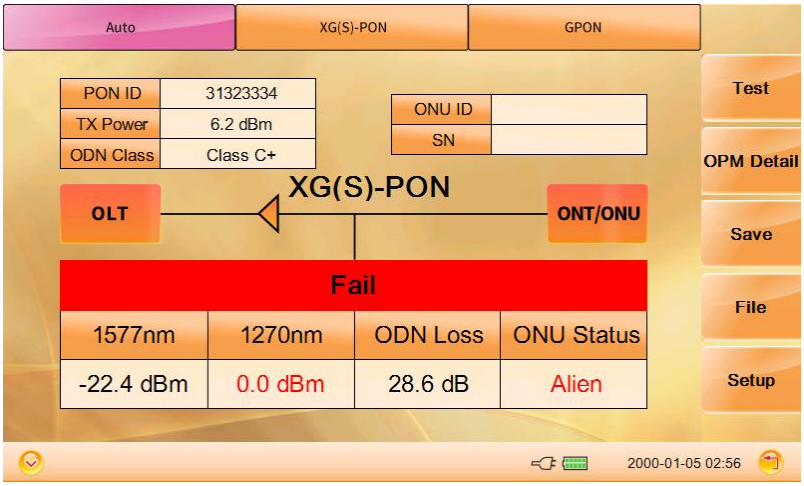
★ PON ID and ONU SN identification to help technicians do the PON network mapping and organization when maintenance.
★ Supports co-existence of G & XGS-PON on the same PON for migration to 10G services
★ Easy to use, Dual ports pass through test mode and automatically recognize network types

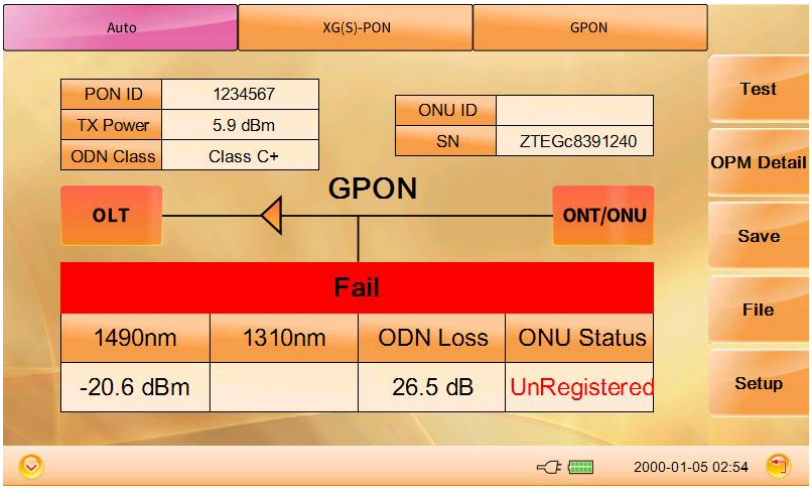


ONU status identification

- 4 types ONU status identification: ONU Active, UnRegistered, Alien, Rogue





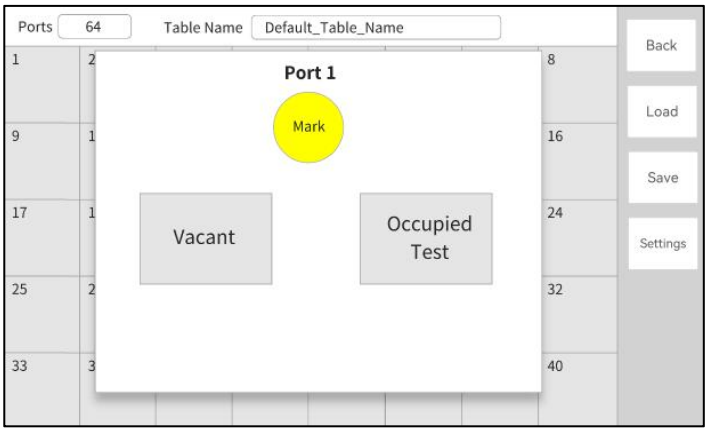


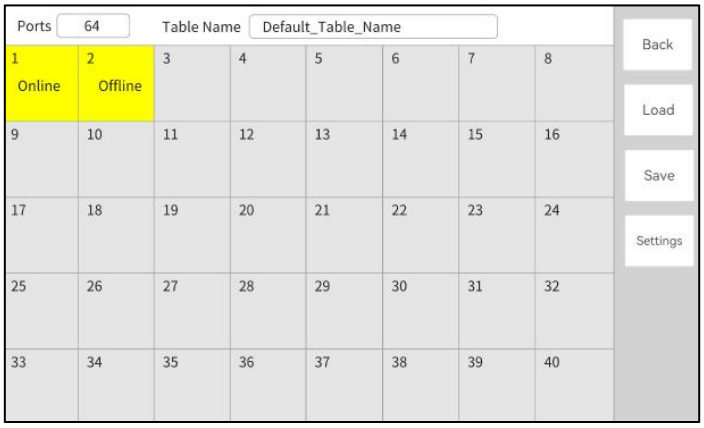
PON Resource Check and Mapping Function

The FOH-200XGS-MAX supports creating PON resource tables based on on-site conditions and conducting tests one by one.This will help on-site engineers accurately detect the ONU detail information and status after the tray port.

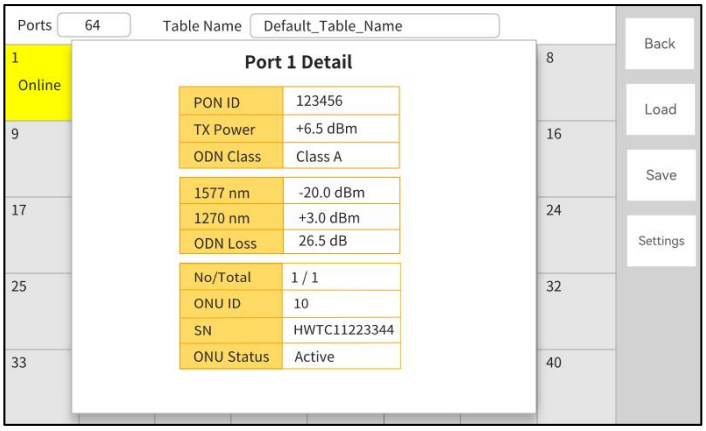
- For online ONU, downlink/uplink power level, PON ID and ONU ID/SN can be displayed
- For non online ONU, downlink power and PON ID can be displayed, also It can be determined whether the ONU is offline(power off) or No ONU connected at all.

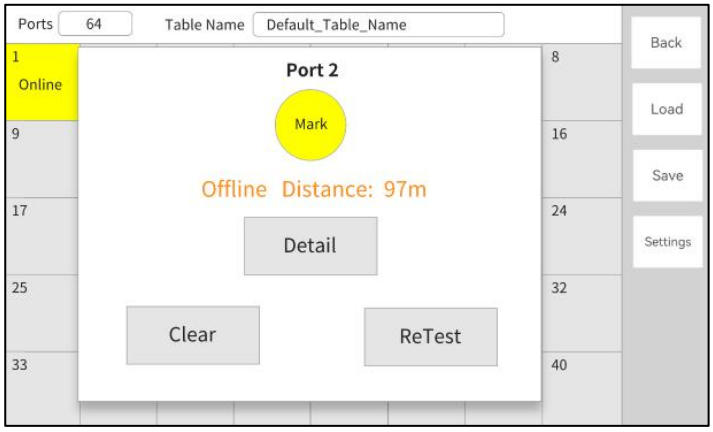
Finally, a complete PON resource information table can be export as CSV format.





PON Resource Table





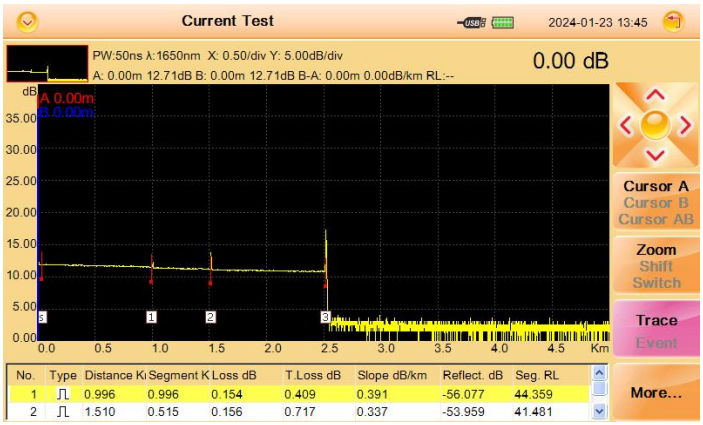
Online ONU detail **Offline ONU**

G/XG(S)-PON Power level and ODN link loss measurement

- Automatically recognize network types between GPON and XG(S)-PON
- Downlink 1490nm/1577nm and uplink 1270nm/1310nm optical power measurement and judgement
- In-service ODN insertion loss measurement, enables techs and installers to ensure that the end-to-end optical loss of the PON is within specification when proceeding with an installation or maintenance according to ITU-T standard

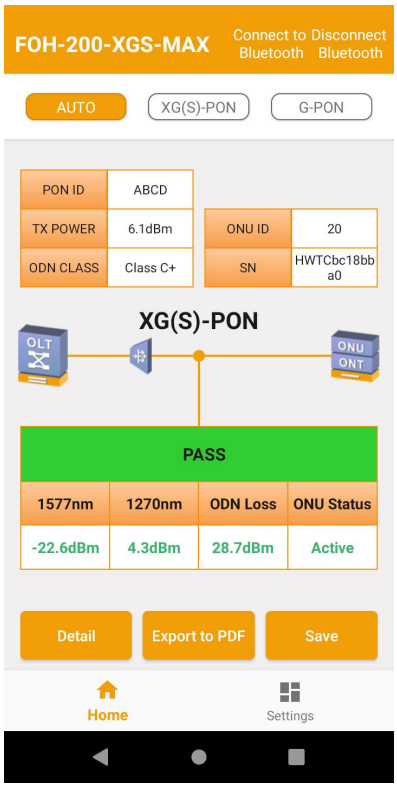
20dB OTDR function(Coming soon)

The FOH-200XGS-MAX equip with 20dB 1650nm OTDR which support live fiber testing, with execllent 1m/4m deadzone. 1550nm is optional if there is no need to do live fiber test.

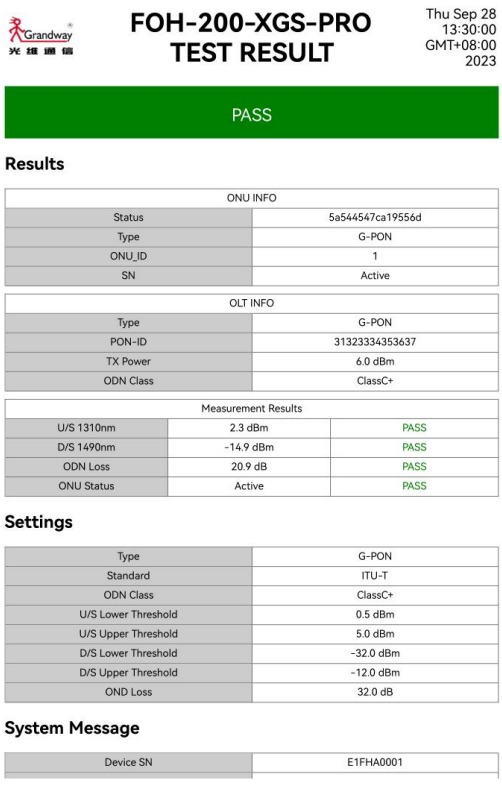


Bluetooth connection with phone app

The FOH-200XGS-MAX supports Android mobile applications, allowing for direct synchronization and display of test results through bluetooth connection. On phone application, technicians can easily generate PDF test reports on-site and send it to the customer or the systems.



Mobile Phone APP



PDF Report Generation

Specifications:

Items	Specifications
Applicable Network	XG(S)-PON, GPON, 10G-EPON, EPON
Test Mode	Series connect: Two ports pass through mode
Insertion loss	<1.5dB insertion loss
PON Data Parsing	OLT information: OLT PON ID, ODN class, Tx power ONU information: ONU ID, ONU SN
Power Measurement	Downlink: 1490mm and 1577nm Uplink: 1270nm and 1310nm
OTDR function	Dynamic range: 20dB; Wavelength:1650nm(1550nm is optional) Deadzone:1m/4m
Optical Interface	SC/APC*2
Charging Port	USB Type-C charging port 20W Quick Charger
Export Format	CSV, PDF
Power Supply	5000mAh lithium battery
Working Temp	-10℃~50℃
Humidity	5%~95%(no condensation)
Dimension	195×141×44mm
Weight	900g
Display	5-inch touch screen
Wireless	Bluetooth connection with Android phone app

*Product specifications and descriptions are subject to change without prior notice.