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FOH-200-XGS-PRO PON Tester

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

Features:

1、Automatic PON-ID detection including OLT PON-ID, ODN class, Tx power, power level and ODN link pass/fail per ITU-T
2、ONU/ONT ID and serial number, ONU status identification
3、Downlink 1490nm/1577nm and uplink 1270nm/1310nm optical power measurement and judgement
4、Test mode: two optical ports pass through mode, low insertion loss <1.5dB (typical)
5、Compatible with GPON ,XG(S)-PON and Combo network
6、Bluetooth connection with phone app
7、Low power consumption for extended continuous use
8、20W quick charger

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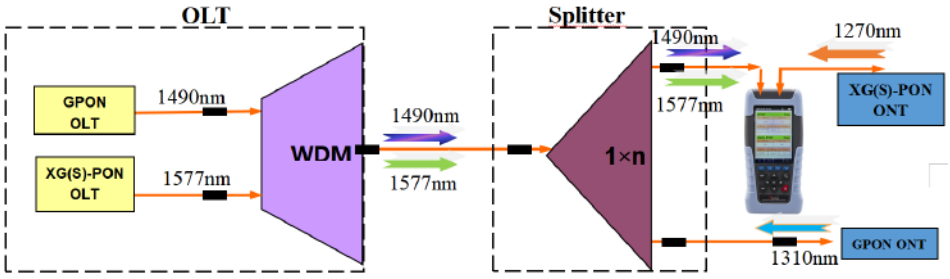
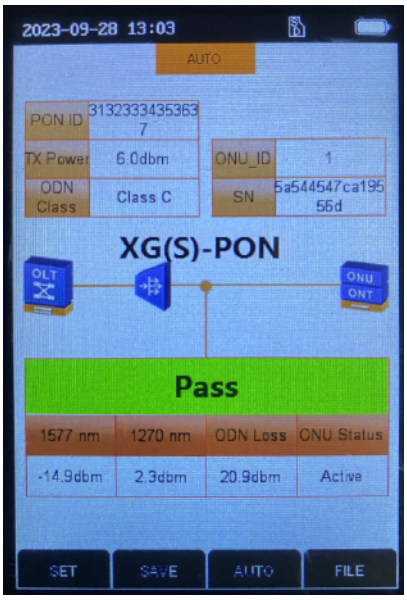
Applications:

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

FOH-200XGS-PRO 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

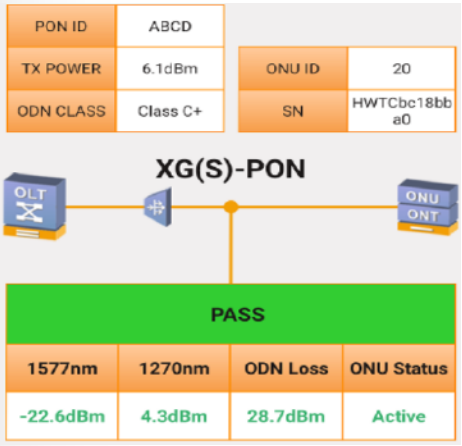
★ PON ID and ONU SN identification to help technicians do the PON network mapping and organization when maintenance.
★ Supports co-existence of G & XGS-PON on the same PON for migration to 10G services
★ Easy to use, Dual ports pass through test mode and automatically recognize network types

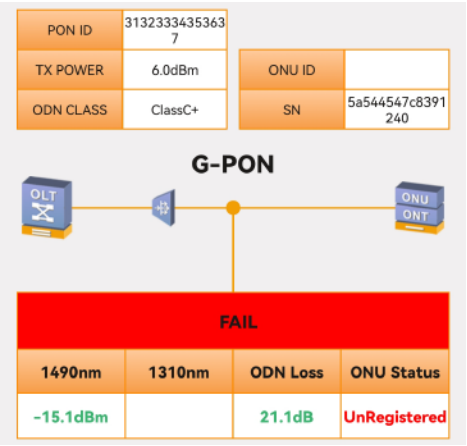


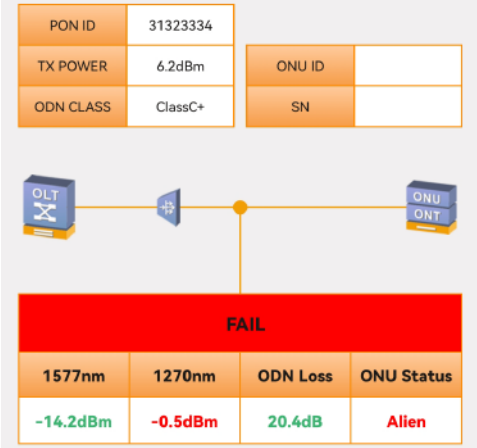


ONU status identification

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







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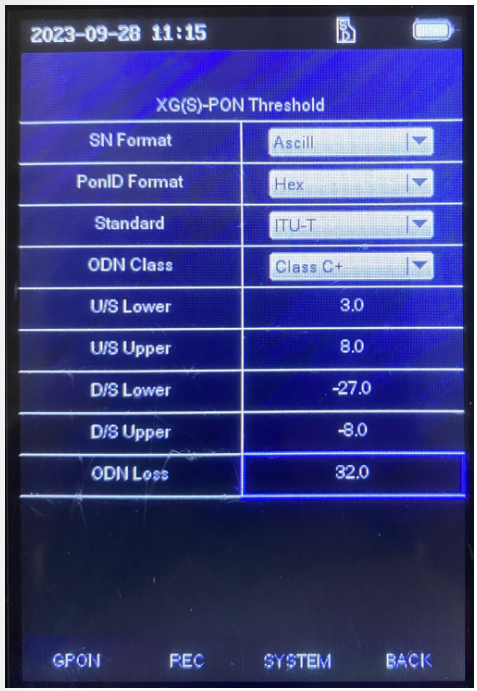
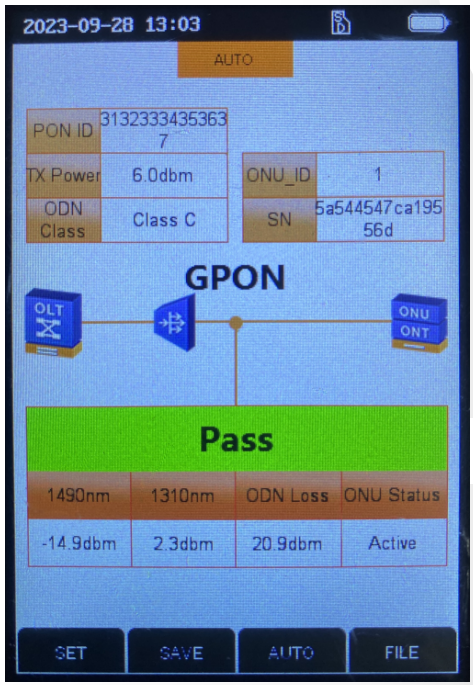
G/XG(S)-PON Power level and ODN link loss measurement

- ★ 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





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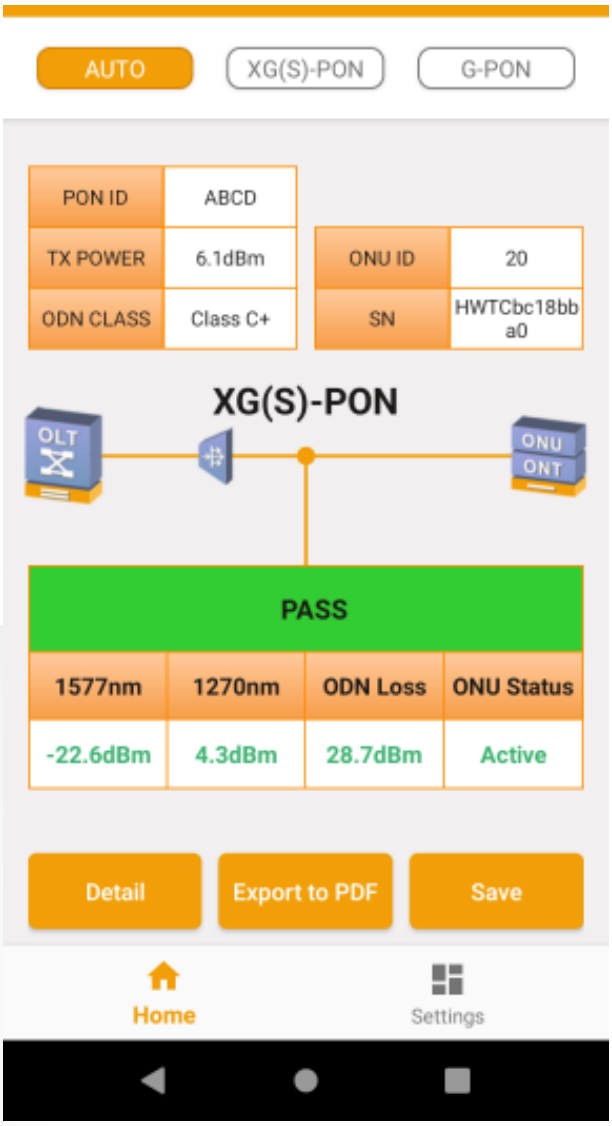
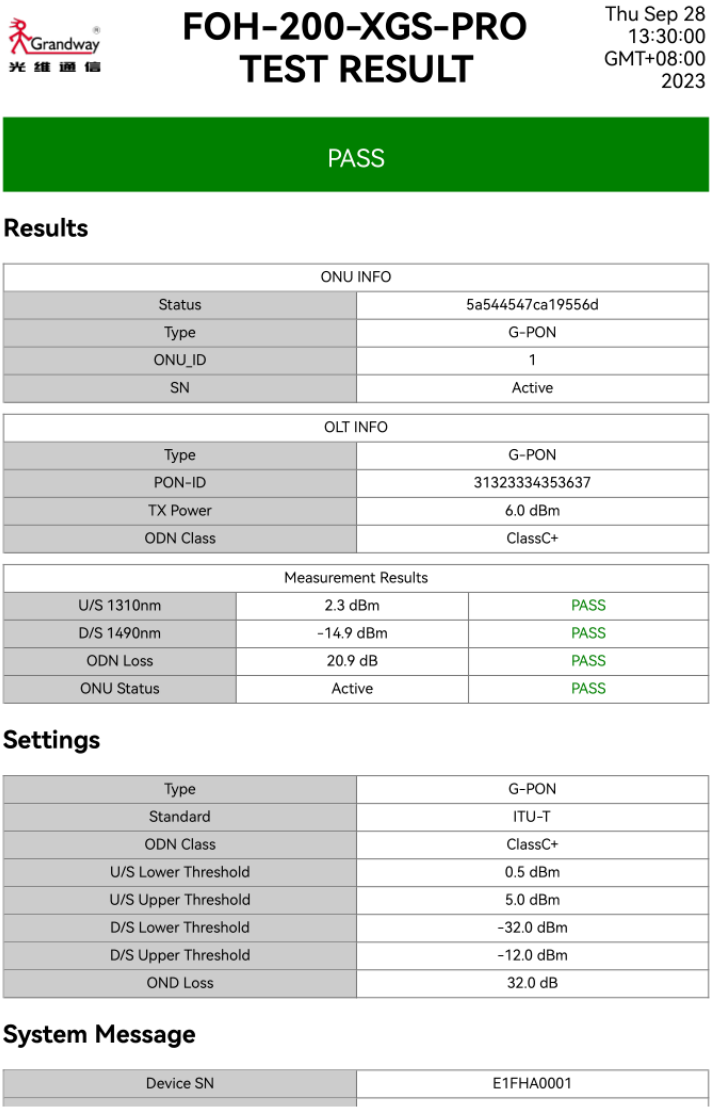
Bluetooth connection with phone app

The FOH-200XGS-PRO 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



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FOH-200-XGS-PRO TEST RESULT

Thu Sep 28 13:30:00 GMT+08:00 2023

PASS

Results

ONU INFO	
Status	5a544547ca19556d
Type	G-PON
ONU_ID	1
SN	Active

OLT INFO	
Type	G-PON
PON-ID	31323334353637
TX Power	6.0 dBm
ODN Class	ClassC+

Measurement Results		
U/S 1310nm	2.3 dBm	PASS
D/S 1490nm	-14.9 dBm	PASS
ODN Loss	20.9 dB	PASS
ONU Status	Active	PASS

Settings

Type	G-PON
Standard	ITU-T
ODN Class	ClassC+
U/S Lower Threshold	0.5 dBm
U/S Upper Threshold	5.0 dBm
D/S Lower Threshold	-32.0 dBm
D/S Upper Threshold	-12.0 dBm
OND Loss	32.0 dB

System Message

Device SN	E1FHA0001

PDF Report Generation

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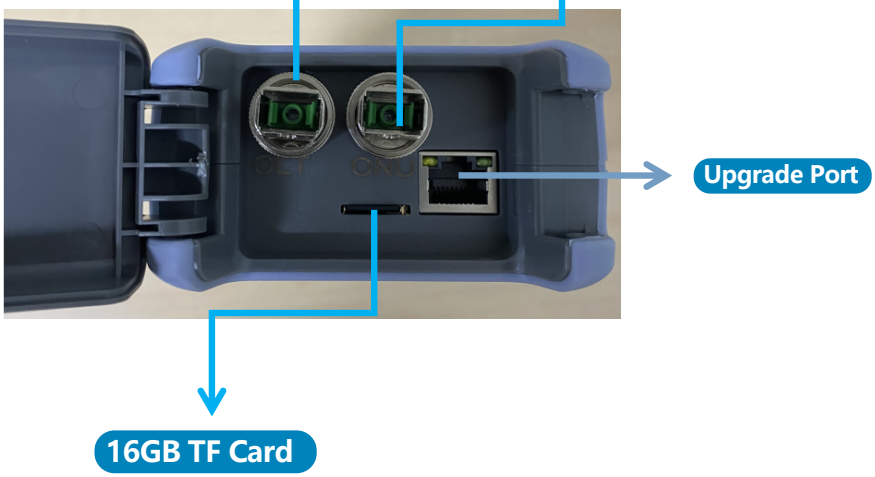

Specifications:

Items	Specifications
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
Optical Interface	SC/APC*2
Charging Port	USB Type-C charging port 20W quick charger
Power Supply	8000mAh lithium battery;
Data Storage	16G TF Card
Working Temp	-10℃~50℃
Humidity	5%~95%(no condensation)
Dimension	193×94×47mm
Weight	609g
Display	3.5 inch color LCD
Wireless	Bluetooth connection with Android phone app

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