FOH-200-XGS-BASE PON Tester

Bluetooth

With the upgrade of GPON networks to XG(S)-PON, we have launched the new FOH-200XGS-BASE to apply for the installation and maintenance testing of the upgraded Combo PON network. By connecting FOH-200XGS-BASE to the PON network, we can quickly and accurately extract OLT information including OLT PON-ID, ODN class, Tx power, power level and ODN link loss pass/fail per ITU-T.
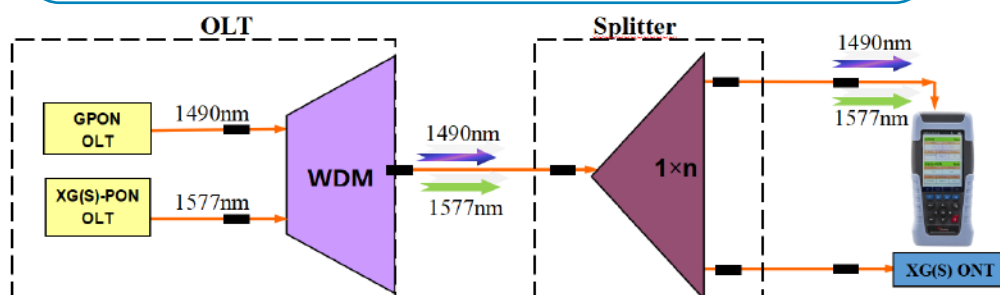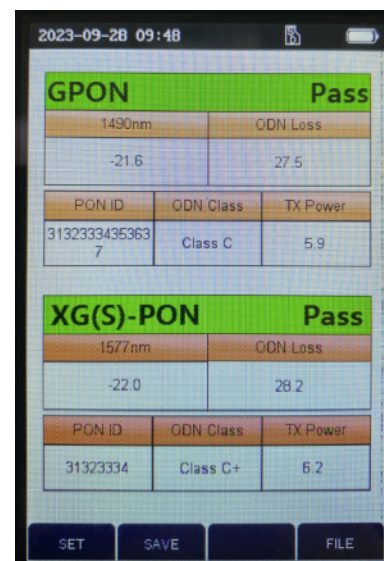
Features:

1、 Automatic PON-ID detection including OLT PON-ID, ODN class, Tx power, and ODN link pass/fail per ITU-T

2、 Downlink 1490nm/1577nm selective optical power measurement

3、 Compatible with GPON ,XG(S)-PON and Combo network

4、 Bluetooth connection with phone app

5、 Low power consumption for extended continuous use

6、 20W quick charger

Applications:

Automatic OLT information analysis for Combo G/XGS-PON

FOH-200XGS-BASE 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

★ Ensures correct OLT port connectivity for first time install success (based on PON-ID)

★ Supports co-existence of G & XGS-PON on the same PON for migration to 10G services

★ Easy to use, Single test port connection and automatically recognize network types and display all the detail informations

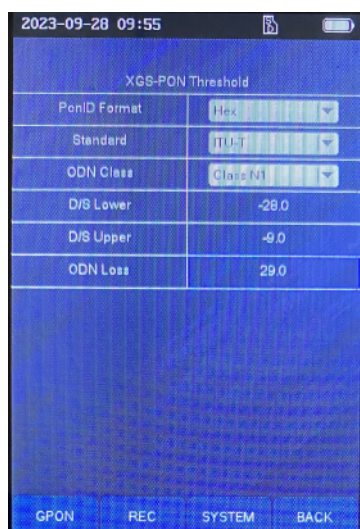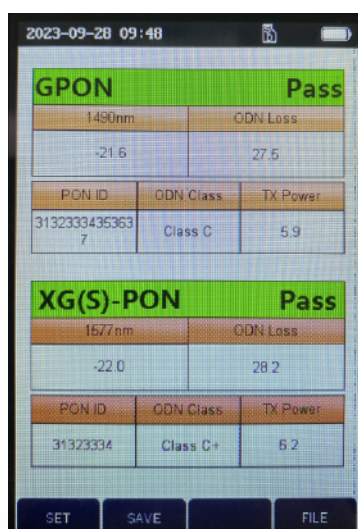## ODN link pass/fail per ITU-T with clear Pass/Fail

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.

Selective power level measurements for Combo G/XGS-PON

The FOH-200XGS-BASE allows for simultaneous filtered measurement for both G/E-PON(1490nm) and XGS-PON/10G-EPON(1577nm) with a single fiber connection,Correctly distinguish the power value of each service wavelength and realize accurate power level testing, avoiding incorrect ONT installation and service activation/troubleshooting delay.

Bluetooth connection with phone app

The FOH-200XGS-BASE 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.

FOH-200-XGS-BASE

Connect to Bluetooth | Disconnect Bluetooth

G-PON — PASS

1490nm	ODN Loss
-14.3dBm	20.2dBm

PON-ID	ODN Class	OLT TX Power
1234567	Class C+	5.9dBm

XG(S)-PON — PASS

1577nm	ODN Loss
-13.1dBm	19.3dBm

PON-ID	ODN Class	OLT TX Power
1234	Class C+	6.2dBm

Detail | Export to PDF | Save

Mobile Phone APP

Grandway 光维通信 — TEST RESULT

Sat Oct 07
13:40:00
GMT+08:00 2023

G-PON — PASS

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

Measurement Results		
D/S 1490nm	-14.3 dBm	PASS
ODN Loss	20.3 dB	PASS

XG(S)-PON — FAIL

OLT INFO	
Type	XG(S)-PON
PON-ID	31323334
TX Power	6.2 dBm
ODN Class	Class C+

Measurement Results		
D/S 1577nm	-12.7 dBm	FAIL
ODN Loss	18.9 dB	PASS

System Message

Device SN	E2FHA00001
SoftwareVsion	V3.0.1
Application Version	V1.0.7

PDF Report Generation

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SC/APC Optical Port

Upgrade Port

16GB TF Card
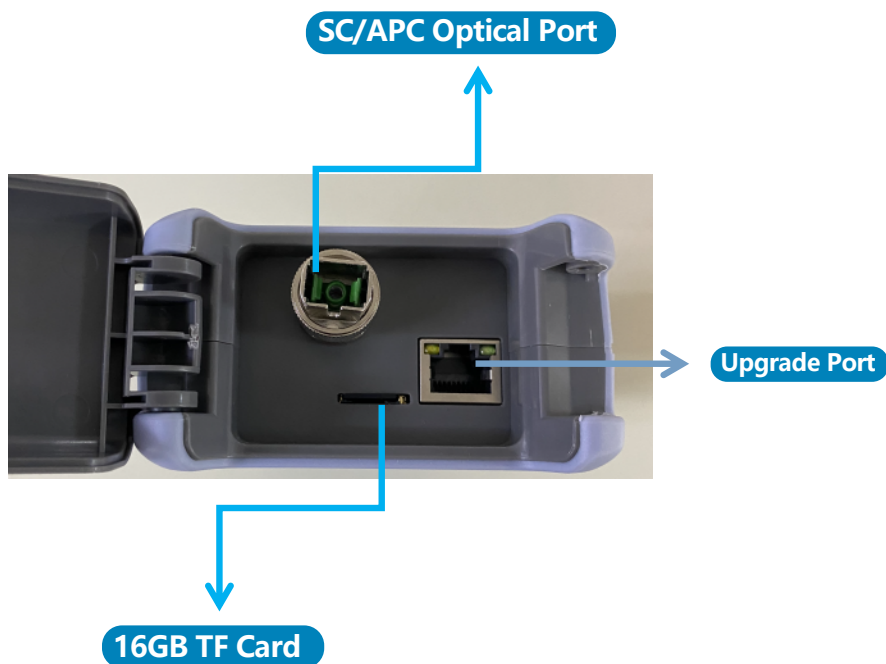
Specifications:

Items	Specifications
PON Data Parsing	OLT information: OLT PON-ID, ODN class, Tx power, ODN loss
Power Measurement	Downlink: 1490mm and 1577nm selective power measurement
Optical Interface	SC/APC
Charging Port	USB Type-C charging port 20W quick charge
Power Supply	8000mAh lithium battery; Input: 5V/2A
Data Storage	16G TF Card
Working Temp	-10℃~50℃
Humidity	5%~95%(no condensation)
Dimension	193×94×47mm
Weight	570g
Display	3.5 inch color screen
Wireless	Bluetooth connection with Android phone app

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

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