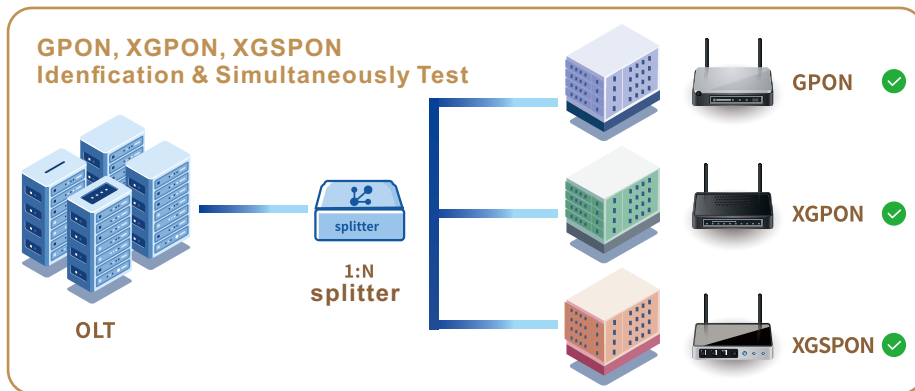


## PON-NST3 ONU Resource Verification

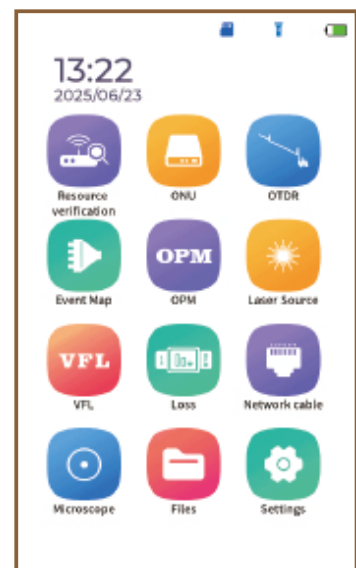
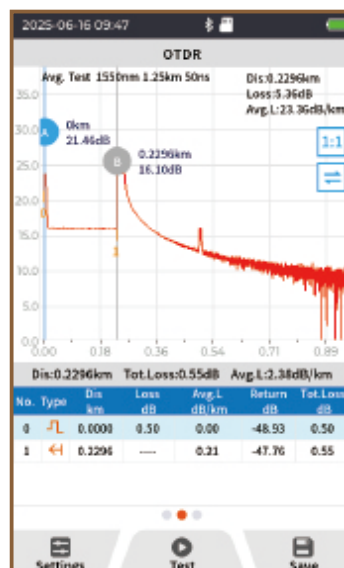
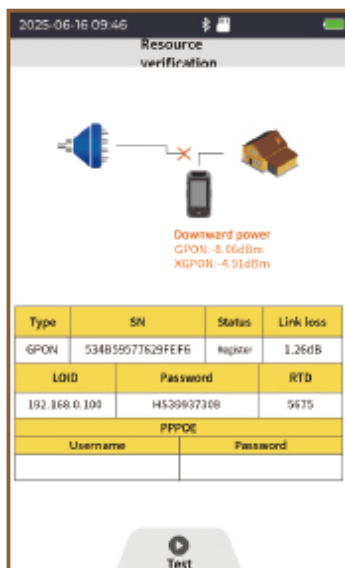
The intelligent ONU resource verification instrument for PON network is a tool specifically designed for the network maintenance of telecommunications operators.

It can assist maintenance personnel in verifying and managing ONU resources in the PON network without entering subscriber's house. The PON-NST3 can read ONU serial number (SN), Password (Password), logical identity (LOID) and PPPOE broadband account, and determine connection status of ONUs (online, offline, disconnected, etc).

Quickly identify and release occupied ports, improve the utilization rate of network resources, and achieve refined management of network resources.



- Acquisition of ONU information - VSSN, LOID, PPPoE account and Password
- Identify ONU Types - GPON, XGPON, XGSPON
- Identify ONU Status - Online, Offline, Disconnected, etc
- Port Matching, to improve Port Utilization
- Test Link Loss and Distance from ONUs
- Standard Optical Power Meter & 50GPON Optical Power Meter 1342/1490/1577nm
- Built-in multi functions OTDR, Event Map, OLS, OPM, Loss Test, Fiber Ferrule Endface Check, Rj45 Test
- Up to 128 ONUs Supported
- Before and after Splitter Testing Supported
- Bluetooth (optional)



## Specification

<b>XG-PON Resource Verification</b>	
PON Network Type	Auto-identification of XGS-PON, XG-PON, or GPON
ONU Resource Information	SN/LOID/PPPoE/Username/Password
<b>ONU Status</b>	
ONU Status	ONU Online, ONU Offline, ONU Disconnected, ONU Power off, Fatal
Accuracy	>90%
<b>OTDR</b>	
Wavelength	1550nm, with filter
Event/Attenuation Dead Zone	3 meters/ 8 meters
Dynamic Range	24dB
Range	100m, 500m, 1.25km, 2.5km, 5km, 10km, 20km, 40km, 80km, 125km, 260km
Sampling Point	160K
Sampling Resolution	0.03m
Distance Accuracy	1m+measuring distance $\times 3 \times 10^{-5}$ +sampling resolution
Loss Resolution	0.01dB
Linearity	0.1dB
Reflection Resolution	2dB
<b>Intelligent Week-light Analysis</b>	
Mode	Normal
Event Map	Start, Connector, Bending, End, Splitter
Week-light Span Location	OLT/splitter Direction, ONU Direction
<b>XGSPON Power Meter</b>	
Wavelength	1490nm/1577nm
Range	-40 to +10dBm
Accuracy	0.35dB
<b>General</b>	
Optical Port	SC/FC
Power Charging	USB
Screen	4.3 inch
Data Storage	8GB TF Card
Battery	6600mA
Working Temperature	-10 to +50°C
Storage Temperature	-20 to +70°C
Humidity	<95%