



DESCRIPTION

PH150 Lastmile Activation OTDR is equipped with High Precision Live OTDR Test Optical Power Meter (including 10G PON 1490nm and 1577nm test respectively), stable laser source, 10mw VFL, Network Cable Test and other functions. At the same time, it has Bluetooth wireless connection to support pairing with smartphones for remote control and file transfer

FEATURES

- 3.5 inch Color LCD, Portable Design and Easy to Carry.
- Multifunction Integration (support 10mw VFL, Stable Laser Source, 10GPON Power Meter, Optical Power Meter, Network Cable Test etc.)
- High Precision, Short Dead Zone OTDR can accurately test all kinds of continuous connectors and attenuation points in the line.
- The built-in dark Optical Fiber of OTDR can measure the attenuation at the near end of the line and the insertion loss of the first connector.
- Support Live Fiber Test (1650nm).
- Linear Mode and Expert Mode are convenient for application in different scenarios.
- Smartphone Remote Control, control OTDR Test and Curve view analysis through Bluetooth Connection
- Optical Link Explorer™ (OLE™) enabled to simplify analyzing



Top View



Bottom View

SPECIFICATIONS

Model	PH150-65-SA20F
Fiber Type	SMF
Testing Wavelength (nm)	1650
Dynamic Range (dB)	20
Distance Range (km)	500m~120km
Pulse Width (ns)	3ns~20us
Event Dead Zone (m)	1
Attenuation Dead Zone (m)	4
IOR Setting	1.468
Sampling Points	20000
Sampling Resolution (m)	Min 0.05
Distance Measurement Accuracy	$\pm(1m + \text{Test Distance} \times 3 \times 10^{-5} + \text{Sampling Resolution})$ (excluding IOR Uncertainty)
Linearity (dB/dB)	0.1
Reflection Accuracy (dB)	± 2
Event Display	Fiber End, Reflection Event, Splice Loss
VFL Launch Power	Working Wavelength: 650 \pm 10nm, Output: 10mW, CW/1Hz/2Hz
Optical Light Source	Working Wavelength: 1625nm or 1650nm Output >-12dBm, CW/270Hz/1kHz/2kHz
G-PON / XGS-PON OPM	Downlink 1490nm and 1577nm optical power testing separately Uplink 1270nm/1310nm optical power testing Test Range: -40~+10dBm
Network Cable Test	RJ45 Wire Map Testing for TIA568-A and TIA568-B Standard

Note : Specifications are subject to change without notice

Test Mode	Normal mode: fiber link map function Last Mile Test Direction : 1) Splitter → ONU (Test from splitter towards ONU) 2) ONU → Splitter (Test from ONU towards splitter) First connector insertion loss and the ONU/Splitter connectivity state can be tested
ONU Status Type	ONU Online, ONU Offline, No ONU, Rogue ONU
Optical Interface	OTDR: 2 x SC port, 1 x 2.5mm Universal port VFL: 2.5mm Universal Port OLS: SC/UPC share the OTDR Port OPM: 2.5mm Universal Port
Electrical Interface	RJ45 Port x 2, RJ45 Remote Module, USB Type-C Cable Port
Wireless Connection	Bluetooth
Display	3.5inch color LCD
Data Storage	Pluggable 16GB Micro SD card
Battery	5000mAh Lithium Battery
Operation Humidity	0~85%(non condensing)
Operation Temperature (°C)	-10 to 50
Dimension (mm)	192.9 x 93.8 x 47
Weight (kg)	0.58
Standard Accessories	Soft Pouch, Manual, Type-C Cable, SC connector

ORDERING INFORMATION

Part No	Description
PH150-65-SA20F-SCU	PH150 Lastmile Activation OTDR , 1650nm (20dB), VFL, OLS, SC/UPC, 10G PON OPM, ONU ID, OLE, RJ45
FL-A1-1000-SCA-SCU	Fiber Launcher, G657A1, 1000m, SC/APC-SC/UPC