



DESCRIPTION

The PH150 Series Lastmile Explorer is equipped with High Precision Online Test OTDR, 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

SPECIFICATIONS

Model	PH150-65-SCU
Fiber Type	SMF
Testing Wavelength (nm)	1650
Dynamic Range (dB)	7
Distance Range (km)	1km/2km/5
Pulse Width (ns)	5ns/10ns/30ns
Event Dead Zone (m)	≤1
Attenuation Dead Zone (m)	≤4
Refractive Index	1.468
Sampling Points	20000
Sampling Resolution (m)	Min 0.05
Distance Measurement Accuracy	±(1m + Test Distance x 3 x 10 ⁻⁵ + 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±10nm, Output: 10mW, CW/1Hz/2Hz
Optical Light Source	Working Wavelength: 1625nm or 1650nm Output >-13dBm, CW/270Hz/1kHz/2kHz
Optical Power Meter	Calibrated Wavelength: 850/1300/1310/1490/1550/1577/1625/1650nm Test Range: -70~+10dBm
G-PON / XGS-PON OPM	The Power Values of 1490nm and 1577nm can be tested respectively
Network Cable Test	RJ45 Wire Map Testing for TIA568-A and TIA568-B Standard
Optical Interface	OTDR: Standard SC/UPC, Optional FC/UPC, FC/APC, SC/APC 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 Charging Port
Wireless Connection	Bluetooth
Data Storage	Pluggable 16GB Micro SD card
Battery	8000mAh Lithium Battery
Operation Temperature (°C)	-10~50

Note : Specifications are subject to change without notice



Top View



Bottom View

ORDERING INFORMATION

Part No	Description
PH150-65-SCU	PH150 Series Lastmile OTDR 1650 (7dB), VFL, SC/UPC, Power Meter,OLE, RJ45
FL-A1-1000-SCA-SCU	Fiber Launcher, G657A1, 1000m, SC/APC-SC/UPC