



DESCRIPTION

The PH100 Handheld OTDR is designed with light weight and user-friendly features, which makes it suitable for FTTx last mile access network troubleshooting.

FEATURES

- 3.5 inch Color LCD, portable design and easy to carry.
- Multifunction Integration (support 10mw VFL, Stable Laser Source, 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.
- Linear Mode and Expert Mode are convenient for application in different scenarios.
- Optical Link Explorer™ (OLE™) enabled to simplify analyzing



Top View



Bottom View

SPECIFICATIONS

Model	PH100-D22	PH100-61-SA20F
Fiber Type	SMF	
Testing Wavelength (nm)	1310 / 1550	1610
Dynamic Range (dB)	22/20	20
Distance Range (km)	1km, 2km, 5km, 10km, 20km, 40km, 80km, 120km	
Pulse Width (ns)	3ns/5ns/10ns/30ns/50ns/100ns/275ns/500ns/1us/2us/5us/10us/20us	
Event Dead Zone (m)	≤1	
Attenuation Dead Zone (m)	≤4	
IOR Setting	1.000~1.999	
Sampling Points	64000	
Sampling Resolution (m)	0.05 (km)	
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	
VFL Launch Power	Working Wavelength: 650±10nm, Output: 10mW, CW/1Hz/2Hz	
Optical Light Source	Working Wavelength: 1310±20nm/1550±20nm Output >-12dBm, CW/270Hz/1kHz/2kHz	Working Wavelength: 1610nm Output >-13dBm, CW/270Hz/1kHz/2kHz
Optical Power Meter	Calibrated Wavelength: 850/1300/1310/1490/1550/1625/1650nm Test Range: -60 to +10dBm	
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 Cable Port	

Note : Specifications are subject to change without notice

Data Storage	Pluggable 16GB Micro SD card
Wireless Connection	Bluetooth
Mobile phone APP	Android System
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)	0.57
Standard Accessories	Soft Pouch, Manual, Type-C Cable and SC connector

ORDERING INFORMATION

Part No	Description
PH100-D22SCU	PH100 Series OTDR, 1310/1550 (22/20dB), VFL, SC/UPC, OPM, OLE, RJ45
PH100-D22SCA	PH100 Series OTDR, 1310/1550 (22/20dB), VFL, SC/APC, OPM, OLE, RJ45
PH100-61-SA20F-SCU	PH100 Series Lastmile OTDR, 1610 (20dB), VFL, OLS, SC/APC,OPM,OLE, RJ45
PH100-61-SA20F-SCA	PH100 Series Lastmile OTDR, 1610 (20dB), VFL, OLS, SC/APC,OPM,OLE, RJ45
FL-A1-1000-SCA-SCU	Fiber Launcher, G657A1, 1000m, SC/APC-SC/UPC