



## FEATURES

- 4-inch Color LCD**  
 Portable and easy to carry.
- Multi-functional**  
 Includes a 10mW VFL, OLS, OPM, OLE™, and electric torch.
- User-friendly**  
 Supports multi-point touch operation similar to mobile phones.
- High Performance**  
 22dB dynamic range supports optical fiber measurements over 60km.
- Advanced Testing**  
 1650nm live fiber testing module available.
- Efficiency**  
 Fast real-time test response and quick trace refresh speed.

## SPECIFICATIONS

Dynamic Range	500m~120km
Pulse Width	3ns~10us
Test Time	5s~180s
Test Mode	Auto, Manual, Real-time
Sampling Point	30000
Distance Accuracy	$\pm(1m + \text{Test distance} \times 3 \times 10^{-5} + \text{Sampling resolution})$ (excluding IOR uncertainty)
VFL	Working wavelength: $650 \pm 10\text{nm}$ Output power: 10mW, CW/1Hz/2Hz
Stable OLS	Working wavelength: Same with OTDR Output power: $> -12\text{dBm}$ , CW/270Hz/1kHz/2kHz
OPM (Standard)	Calibrated wavelength: 850/1300/1310/1490/1550/1625/1650nm Test range: $-40 \sim +10\text{dBm}$
10G PON Selective OPM (Optional)	Support 1490nm and 1577nm selective power testing separately Calibrated wavelength: 850/1300/1310/1490/1550/1577/1625/1650nm
Optical Interface	OTDR/OLS: Fixed SC/UPC (APC is available) VFL/OPM: 2.5mm universal port
Electrical Interface	USB Type-C Cable Port
Display	4inch color touch screen
Data Storage	120M storage card
Battery	4000mAh lithium battery
Working Environment (°C)	$-10^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ , 0~85% (non condensing)
Dimension (mm)	85 x 148 x 37
Weight (g)	275
Standard Accessories	Manual, Charging Cable

## ORDERING INFORMATION

Part No	Description
PH50-D22SCU	PH50 Mini OTDR, 1310/1550nm (22/20dB), VFL, SC/UPC, LS, 4inch Touch Screen, OPM dead zone 3/10m
PH50-PRO-D22SCU	Mini OTDR, 1310/1550nm (22/20dB), VFL, SC/UPC, LS, 4inch Touch Screen, OPM dead zone 1/4m
PH50-65-SA20F-SCU	Mini OTDR, 1650nm (20dB), VFL, SC/UPC, LS, 4inch Touch Screen, OPM dead zone 3/10m

Note : Specifications are subject to change without notice

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