



FEATURES

- 6.2-inch capacitive touchscreen display
- Event dead zone / attenuation dead zone: 1 m / 4 m
- Integrated VFL, OPM, OLS, RJ45 (wire mapping, cable length, and cable tracing), and OLE™ functions
- High-capacity 5000 mAh lithium battery
- Supports Bluetooth connectivity and mobile app integration

SPECIFICATIONS

Visual Fault Locator	
Working Wavelength	650nm±20nm
Output Power	10mw
Launching Mode	CW/1Hz/2Hz
Connector	Universal 2.5mm
Optical Power Meter	
Wavelength Range	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	-40~+26dBm
Accuracy	±0.5dB
Resolution	0.01dB
Optical Laser Source	
Working Wavelength	Consistent with OTDR
Output Power	>-12dBm
Output Mode	CW/270Hz/1kHz/2kHz
RJ45 Cable Test	
RJ45 Sequence	Support, TIA568A/568B standard
RJ45 Length	Support
RJ45 Tracking	Optional
Others	
Interface	2xRJ45 port, 1xUSB Type C
Optical Port	OTDR: FC/UPC or SC/UPC OPM: 2.5mm universal port VFL: 2.5mm universal port
Wireless	Bluetooth and phone app
Display	6.2-inch Capacitive touch screen
Battery	5000mAh lithium battery
Data Storage	>2000 sor files
Temperature	Working Temp: -10°C ~ 50°C Storage Temp: -20°C ~+70°C
Humidity	≤95% (No-condensation)
Dimension	195 x 137 x 42mm
Weight	0.9kg (with battery)

OPTICAL SPECIFICATIONS

Pulse Width	3ns, 5ns, 10ns, 30ns, 50ns, 100ns, 275ns, 500ns, 1us, 2us, 5us, 10us, 20us
Distance Range	100m~120km (32dB support to 260km)
Sampling Resolution	Minimum 10cm
Sampling Points	Maximum 128,000 points
Linearity	≤0.03dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
IOR Setting	1.0000~2.0000, 0.0001 step
Distance Accuracy	±(0.75m+test distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)

AVAILABLE MODEL BY WAVELENGTH/DYNAMIC RANGE

Model	Wavelength	Dynamic Range	Dead-zone
PH310-D24	1310/1550nm±20nm	24/22dB	1/4m
PH310-D28		28/26dB	1/4m
PH310-D32		32/30dB	1/4m
PH310-T24F	1310/1550/1625nm±20nm	24/22/22dB	1/4m
PH310-T28F		28/26/26dB	1/4m
PH310-T32F		32/30/30dB	1/4m

ORDERING INFORMATION

Part No	Description
PH310-D24SCU1	PH310 Series OTDR, Dynamic Range 24/22dB, VFL, OPM, OLS, RJ45, OLE, SC/UPC
PH310-D28SCU1	PH310 Series OTDR, Dynamic Range 28/26dB, VFL, OPM, OLS, RJ45, OLE, SC/UPC
PH310-D32SCU1	PH310 Series OTDR, Dynamic Range 32/30dB, VFL, OPM, OLS, RJ45, OLE, SC/UPC
PH310-T24FSCU1	PH310 Series OTDR, Dynamic Range 24/22/22dB, Filtered 1625nm, VFL, OPM, OLS, RJ45, OLE, SC/UPC
PH310-T28FSCU1	PH310 Series OTDR, Dynamic Range 28/26/26dB, Filtered 1625nm, VFL, OPM, OLS, RJ45, OLE, SC/UPC
PH310-T32FSCU1	PH310 Series OTDR, Dynamic Range 32/30/30dB, Filtered 1625nm, VFL, OPM, OLS, RJ45, OLE, SC/UPC