

# OTDR PH300 SERIES

1310/1550nm (30/28dB, 35/33dB) , 1650nm (30dB, 35dB)



## DESCRIPTION

The PH300 Series OTDR is designed with a lightweight and user-friendly graphical user interface. PH300 Series OTDR offer accurate and complete fiber evaluation, which allows error-free testing with single button operation. It is cost effective, with high resolution and compact in size.

Suitable for installation, operation and maintenance of optical networks.

## FEATURES

- 5-inch capacitive touchscreen, portable and easy to carry
- Supports 10mw VFL, OLS, OPM, OLTS, OLE™ and fiber microscope
- Ultra-short 1m/4m deadzone
- Available 1625nm live fiber testing module
- Exports in SOR and PDF formats
- Supports pass-through 1x32 splitter PON networks
- Optical Link Explorer™ (OLE™) is used enabled to simplify analyzing

## APPLICATIONS

- Real-time troubleshooting
- Access network testing
- LAN/WAN network testing
- CATV network testing
- Metro network testing
- Lab and factory testing

## SPECIFICATIONS

Dynamic Range (dB)	30/28	35/33	30	35
Wavelength (nm)	1310/1550		1650	
Event Dead-zone (m)	≤1m			
Attenuation Dead-zone (m)	≤4m			
Fiber Type	SMF			
Pulse Width	3ns~20us			
Distance Accuracy	±(0.75m+test distance x 3 x 10 <sup>-5</sup> +sampling resolution) (excluding IOR uncertainty)			
Linearity (dB/dB)	≤0.03			
Sampling Points	128,000			
Loss Resolution (dB)	0.001			
IOR Setting	1.30000~1.70000			
Optical Port	OTDR: FC/UPC or SC/UPC (APC is available)			
Display	5 inch TFT-LCD (touch screen)			
Data Storage	16GB card			
Data Interface	USB2.0 Port USB Type-C Cable Port			
Working Temperature (°C)	-10 ~+ 50			
Storage Temperature (°C)	0~85 (Non-condensing)			
Humidity (%)	0~85 (Non-condensing)			
Battery	3.7V/7000mAh lithium battery, support fast charge			
Dimension (mm)	195 x 141 x 44			
Weight (kg)	0.9kg (battery included)			
<b>OPTICAL POWER METER</b>				
Output Power (dBm)	> -10			
Calibrated Wavelength (nm)	850/1300/1310/1490/1550/1625/1650nm			
Measurement Range (dBm)	-60~+5			
<b>OPTICAL LIGHT SOURCE</b>				
Working Wavelength	Same as OTDR			
Output Power (dBm)	> -10			
<b>VISUAL FAULT LOCATOR</b>				
Working Wavelength	650nm±10nm			
Output Power	10mw			
Working Mode	CW/1Hz/2Hz			

Note : Specifications are subject to change without notice

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## Notes

- 1) Dynamic range is measured with 20us pulse width, averaging time is 180s, SNR=1.
- 2) Event dead-zone is measured with 3ns pulse width, return loss>-45dB
- 3) Attenuation dead-zone is measured with 3ns pulse width, return loss>-55dB

## OPTICAL LINK EXPLORER™ (OLE™)

The OLE™ Test was developed using multiple pulse width acquisitions and advanced algorithms to characterize the fiber-under-test and display the events using iconic symbols.

## FEATURES

- Complex OTDR results are displayed in easy-to-understand iconic symbols
- Easy to use, single button operation, automatic analysis and intuitive link map display
- Automatic multiple pulse width and wavelength acquisition
- Identify each event on the fiber, automatically including splicing points, macro bends, connectors and optical splitters.

## STANDARD ACCESSORIES



## ORDERING INFORMATION

Part No	Description
PH300-D30SCU1	PH300 Series OTDR, 1310/1550nm (30/28dB), VFL, SC/UPC, OPM, OLE™
PH300-D35SCU1	PH300 Series OTDR, 1310/1550nm (35/33dB), VFL, SC/UPC, OPM, OLE™
PH300-SA30F1SCA1	PH300 Series OTDR, 1650nm (30dB), VFL, SC/APC, OPM, OLE™
PH300-SA35F1SCA1	PH300 Series OTDR, 1650nm (35dB), VFL, SC/APC, OPM, OLE™