



## Optical Time Domain Reflectometer (OTDR)

OP-OTDR32C



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 02 (Version 2)

## Overview

OP-OTDR32C handheld OTDR is a new generation of intelligent optical measuring instrument designed for the optical fiber communication system testing by OPTOSTAR. This product is mainly used to measure the parameters of optical fibers and cables, such as length, loss, and connection quality, etc.; it can realize the accurate positioning of event points and fault points, and can be widely used in the construction, maintenance testing and emergency repair of the optical fiber communication systems as well as the research, production and production measurement of optical fibers and cables and so on.

This product can provide you with the highest performance of solutions for installation and construction of fiber optic network construction and the subsequent fast and efficient maintenance and troubleshooting testing.

## Product Features

- Novel and beautiful appearance and structure design;
- Special protection design of shell, durable and able to work under bad environment;
- Simplest operating interface, shortcut key operation, easy to use;
- Dual operation of touch screen and keys;
- Short event blind zone, test 5 m fiber jumper easily; Have a multiple kinds of test modes such as automatic test, manual test \* and blind zone test, etc..
- Light detection and alarm are provided in the line, to avoid signal light from damage the instrument in the tested optical fiber;
- Built-in high-power visual red light fault positioning function;
- The USB interface functions can quickly realize the file transfer and report form preparation;
- The universal light output connector is easy to replace, which is able to realize e a variety of interface tests;
- Smart battery electric quantity indication and low –voltage alarm function;
- 10-hour long time of duration, particularly suitable for the field construction application for a long time;
- The multi-wavelength and dynamic range selection can satisfy customer’s high higher cost performance demands to the greatest extent;
- The highly intelligent analysis software can accurately identify the fault splices, connectors and even macro-bending;
- Language: multiple choices of languages, such as Chinese, English, etc, which can be customized according to customer’s requirements.

**APPLICATIONS**

- CATV network testing
- FTTX test with PON networks
- Access network testing
- LAN network testing
- Metro network testing

**Technical Parameters**

Model	OP-OTDR32A	OP-OTDR32B	OP-OTDR32C
Type of optical fiber	Single –mode		
Center wavelength	1310nm/1550nm (±20nm)		
Maximum dynamic range (dB)	36/35	30/28	32/30
Event blind zone	1.5m		
Attenuation blind zone	10m		
Display type	3.5inch, color LCD, touch screen operation		
Optical interface	FC/UPC (Interchangeable SC, ST)		
Test range	500m,1km,2km,4km,8km,16km,32km,64km,128km		
Pulse width	10,30,50,100,275,500,1000,5000,10000ns		
Range accuracy	± (1m + sampling interval +0.005% × distance)		
Attenuation measurement	±0.05 dB/dB		
Reflection measurement	±4dB		
Data storage	≥ 1000 test curves		
Communication interface	USB		
Power supply mode	AC / DC adapter: AC: 100V ~ 240V (1.5A), 50/60Hz DC: 18V to 20V (2A) Internal lithium-ion battery pack: 7.4V, 4400mAh		
Battery operation time	≥ 10hours		
Operating temperature	-5℃ ~ 50℃		
Storage temperature	-20℃ ~ 70℃		
Relative humidity	0 ~ 95%, no condensation		
Weight	≤ 1kg		
Volume	208mm × 110mm × 56mm		



**Order Information**

Model	Kit Include
OP-OTDR32A OP-OTDR32B OP-OTDR32C	Instrument, FC/PC connector, NiMH battery, Trace Manager software CD, Data cable (USB/RS-232), AC adaptor, Soft carrying case, Warranty card, Quick reference guide.

**Important Notice**

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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**Contact OPTOSTAR**

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