

PRODUCT INTRODUCTION

OTC2310 Smart OTDR



Product Introduction

OTC2310 Smart OTDR, our ultra-compact OTDR product controlled by Bluetooth and USB interfaces, which covers the entire application of optical fibers in WAN, Access/FTTx and LAN, is able to provide perfect test of optical fibers. Also, OTC2310 can be used cooperatively with the majority of intelligent devices running Windows8, IOS, and Android systems in indoor laboratories or outdoor environment. It is the operators' optimal test tool for verification in the network construction phase and troubleshooting in the network operation phase.

OTC2310 Smart OTDR is an ideal choice for optical fiber monitoring. In recent years, optical fiber monitoring has applied in many fields, including communication network maintenance, security sense, hazard prevention system, etc. OTC2310 provides an ultra-compact and super-intelligent solution for optical fiber application.

Features

- Ultra-compact design with Bluetooth and USB interfaces
- Applicable to monitoring system of optical fibers
- Available for 1310nm, 1490nm, 1550nm, 1625nm and 1650nm wave length tests
- 0.8m event dead zone, and 4m attenuation dead zone guaranteeing accurate test of OTC2310 Smart OTDR in the entire optical fiber link.
- 256,000 sampling points and a sampling resolution as high as 10cm guaranteeing more accurate positioning of events
- Smart OTDR is applicable to the most majority of tablet PCs and intelligent phones running Window 8, IOS, and Android as well as all PCs with Window system.
- Available for uploading and downloading of test reports transmitted via USB, Bluetooth, WIFI, 3G/4G and other channels.

OTC2310 Smart OTDR Unit Description

OTC2310 Smart OTDR Unit Description	
Connection with PC/Table PC/Smartphone	USB, Bluetooth
Power Supply	Li-Ion Battery(8 hours)
Dimensions(H×W×D)	36mm×89mm×151mm
Weight	0.4kg
Temperature	Operating temperature: -10°C to 50°C ; Storage temperature: -40°C to 70°C
Relative humidity	0% to 95%(Non-condensable)



OTC2310 Smart OTDR Soft Description

OTC2310 Smart OTDR is specially designed to be used with the OPWILL OTDR Tools software. It can be controlled via USB or Bluetooth from all supported platforms (Windows, MacOS, Linux, iOS, Android).



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Specifications

SPECIFICATIONS					
Model	OTC2310a	OTC2310b	OTC2310c	OTC2310d	OTC2310e
Wavelength	1310 nm	1490nm	1550 nm	1625nm	1650nm
Dynamic range	30dB	30dB	30dB	30dB	30dB
Model	OTC2310f	OTC2310g	OTC2310h	OTC2310i	
Wavelength	1310 nm	1490nm	1550 nm	1625nm	
Dynamic range	35dB	35dB	35dB	35dB	
Model	OTC2310j	OTC2310k	OTC2310l	OTC2310m	
Wavelength	1310 nm	1490nm	1550 nm	1625nm	
Dynamic range	40dB	40dB	40dB	40dB	
Model	OTC2310ac	OTC2310fh	OTC2310jl		
Wavelength	1310/1550 nm	1310/1550nm	1310/1550nm		
Dynamic range	30/30dB	35/35dB	40/40dB		
Optical fiber test	10μm/125μm single mode fiber(ITU-T G.652)				
Distance range	0.5, 2.5, 5, 15, 40, 80, 120, 160, 200 km				
Pulse width	3, 5, 10, 30, 50, 100, 275, 500, 1000, 5000, 10000, 20000 ns				
Event dead zone	≤0.8m				
Attenuation dead zone	≤4m				
Sampling point	256 000				
Refractive index	1.30000 – 1.80000				
D i s t a n c e accuracy	±(0.75+0.005%×distance+ sampling resolution)				
Degree of linearity	±0.03				
Accuracy of return loss	±2dB				
A u t o m a t i c measurement	Items measured: total loss, each event (type, position, loss and reflection) Threshold value: event threshold (0.01 – 9.99 dB), terminal threshold (1 -99 dB) Automatic setup: distance, pulse width, sampling time				
M a n u a l measurement	Two-point loss, event loss, reflectivity				
Laser safety	IEC 60825-1: 2007: CLASS 121 CFR 1040.10				

Ordering Information

Category	Model	Description
Standard Configuration		
Smart OTDR	OTC2310	Intelligent OTDR, single or dual wavelength, dynamic range 30 to 40dB
Test terminals	5.5 Aterminal	Intelligent terminal with Android system and 5.5-inch screen
Optional operation screen	8 Aterminal	Intelligent terminal with Android system and 8-inch screen Android
	10.1 Aterminal	Intelligent terminal with Android system and 10.1-inch screen
	8 Wterminal	Intelligent terminal with Windows 8.1 system and 8-inch screen
	10.1 Wterminal	Intelligent terminal with Windows 8.1 system and 10.1-inch screen
	7.9 Iterminal	Apple 16G IPAD Mini2
	9.7 Iterminal	Apple 16G IPAD Air

Notes: Product ordering information may update along with the product upgrade, please refer to the final version provided by our sales.