

CARY-OT4000 Portable OTDR Tester

(1310nm/1550nm Single Mode; 32/30dB)

Technical Specifications Ver 1.00
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The CA OPTRONICS CARY-OT4000 series portable optical time domain reflectometry (OTDR) is the latest FTTx optical fiber cable-based test instrument. It has light weight, elegant appearance, small size, easiness of installation and maintenance, high-capacity built-in battery. It provides multiple built-in test wavelengths and optical testing functions like visual fault locator (VFL). As a new product specially designed for FTTx network testing, it provides site technicians with the highest performance and upgrade services.

Features:

- Fast automatic test, Fast curve analysis;
- Ultra short-distance optical fibre dead zone test mode
- Convenient VFL function;
- It provides high-speed USB port, waveform file conversion and printing convenience;
- Long-lasting lithium battery, ideal for long-time outdoor construction work;
- Online system upgrade function;

Applications:

- FTTx/MDU test with PON networks;
- Access network testing;
- PON networks configuration connection test
- Concurrent measurement of all PON signals, anywhere on the network

Specifications

Model	CARY-OT4000
wavelength	1310nm/1550nm
Fiber Type	Single-Mode
Dynamic Range	32/30dB
Measurement range (single)	80-100KM
Event dead zone	0.8m/0.1-16m
Accuracy	$\pm(1m+ \text{Sampling interval} +0.003\%*\text{Distance})$ (excluding refractive index imbedding error)
Resolution	0.1m-16m
Loss Threshold	0.01dB
Linearity	0.05dB/dB
VFL output power	5mW
Measurement range (single)	1.6km-80km
Pulse width (single mode)	10ns~1024ns
Number of sampling points	65K
Waveform storage capacity	1000 frames
Range of refractive index	1.00000~2.00000
Range of optical-cable correction factor	0.80000~1.0000
Display	Color TFT LCD, 5.1 inch, 640*480
Communication Port	USB
Optical output port	FC/PC
Power supply	AC/DC adapter: AC input: 100V~240V(1.5A) Output DC: 9V(2A) Power frequency: 50Hz~60Hz Internal lithium battery: 7.4V, 3200mAh Working hours of battery: 10 hours (normal temperature)
Environmental requirements	Storage temperature: -40°C~70°C(exclusive of battery) Relative humidity 5%-95%, no condensation
Dimensions	215mm*130mm*66mm
Weight	1kg

CA OPTRONICS GROUP's Test and Measurement Support, Services and Assistance

CA OPTRONICS GROUP provides high performance, high value, low cost, affordable test and measurement instruments solution for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your application and apply them successfully. Every instruments and system we sell a global warranty. All of our instruments with at least 18 months factory warranty.

Our Promise

All of CA OPTRONICS GROUP's test and measurement instruments and system will met its advertised performance and functionality. When you select CA OPTRONICS GROUP's products, we can verify if it is work properly, help with products operation, and provides the basic measurement assistance for the use of special capabilities.

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