

Multimode and Singlemode OTDR

V.3.5

Description

A user friendly multimode and singlemode OTDR specifically designed for testing and trouble-shooting on enterprise, campus and access networks. The OTDR's robust construction and long battery life make it ideal for use in the field.

A single button push starts a test, making it simple to use for the beginner or expert. The result is then shown as a trace or table-of-events in full colour, making for uncomplicated location of faults on fibre cable. By transferring the results to a USB memory stick, or directly to PC via the USB port, easy management of the results can be achieved using the free software provided. Improved fibre testing capability can be achieved by adding the optional power meter, visual fault locator and connector end-face inspection probe. This ensures that the Optronics OTDR is a truly versatile fibre optic test instrument.

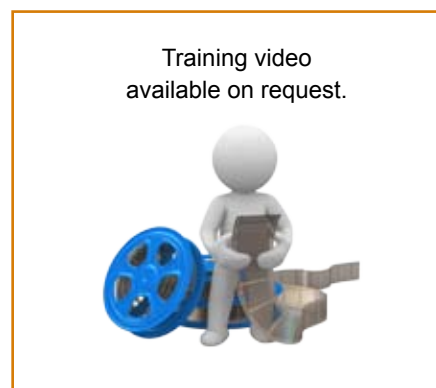
Features

- > **850/1300nm wavelengths for multimode**
- > **1310/1550nm wavelengths for singlemode**
- > **Internal memory for up-to 500 results**
- > **8 hour battery life**
- > **Transreflective colour screen**
- > **One touch testing**
- > **Multiple languages: English, French, German, Spanish, Russian and Chinese, Hungarian, Croatian, Japanese, Korean**
- > **Optional VFL, power meter or Inspection probe**
- > **SC, ST & FC ports available**
- > **New Optional Pass/Fail and Macrobend Detection Software**

Technical Specification

	MULTIMODE	SINGLEMODE
Wavelength	850/1300nm	1310/1550nm
Dynamic Range	20/20dB	25/24dB
Event Dead Zone	3.5m	3m
Attenuation Dead Zone	12/12m	12/13m
Sampling Points	Over 30,000	
Distance Range	5km / 25km	55km / 75km
Internal Memory	500 Results	
OTDR Port Connector	SC	
Size (H x W x D)	250mm x 125mm x 75mm	
Weight	1kg	
Operating Temperature	-18 °C to 50°C	
Battery	2 x Li-ion batteries 8 hours continuous use	

*All specifications valid at 23.C ± 2.C with an FC/PC connector. Dynamic range using 10µs pulse and 3min averaging at SNR=1. MM dynamic range is specified for 62.5µm fibre. Dead zones with a -45dB reflection for SM, with a -35dB reflection for MM, using the shortest pulse.



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Power Meter

Adding the power meter to the OTDR gives the flexibility of two testers in one. It can be used in conjunction with an external light source to measure the loss of fibres, or by means of looping back the OTDR can be used as both light source and power meter. The power meter covers the range from 800nm to 1650nm, offering a power range of -60 to 26dBm. The power meter also comes with a very cost effective three year calibration interval. An SC connector adaptor is supplied as standard, other interfaces are available.



Inspection Probe

The inspection probe option gives you superior vision into your fibre optic network by enabling you to inspect all types of connector end faces in switches, routers, interface cards, patch panels, wall outlets and patchcords. It saves time by eliminating the need to access the back of patch panels or disassemble hardware devices for inspection. Instead of removing each individual fibre, you only need to insert the video probe to inspect the end-face while it is still in place. This is the only practical way to inspect many hardware devices, where disassembly is not a realistic option. A clear image is displayed on the screen of the OPT OTDR, enabling a quick and easy review of any potential problems. The image can be saved and downloaded for future documentation purposes.



VFL

The visual fault locator option provides a visible 650nm red laser with a universal 2.5mm ferrule adaptor, with continuous and flashing modes. The VFL will verify continuity and polarity of installed links, which will help to speed up installation time. It can also be used to locate breaks and excessive bends in fibres, connectors and splices where they are terminated into patch panels, ensuring that fibre management is carried out correctly. Problem patchcords can also be quickly identified as the VFL will show breaks and bends through the jacket.



NEW Pass/Fail and Macrobend Fault Finder Software

Save time in the field with automated software analysis functions. Let the instrument work for you. This software package combines automatic macrobend detection, pass/fail and fault finding features. It enables you to access all your results at once and easily check link status. A single summary screen shows you detailed pass/fail status testing to user-definable thresholds, fibre-length measurements and pinpoint macrobend localization. Order this software with your OTDR or upgrade your existing unit from the field.



Ordering Information

DESCRIPTION	PART NO.
Optronics Test OTDR UK	OPT-OTDR-UK
Optronics Quad wavelength SM & MM OTDR with VFL option*	OPT-OTDR-V-UK
Optronics Quad wavelength SM & MM OTDR with Power Meter option*	OPT-OTDR-P-UK
Optronics Quad wavelength SM & MM OTDR with Power Meter and VFL option*	OPT-OTDR-VP-UK
Optronics Quad wavelength SM & MM OTDR with Inspection Probe, Power Meter and VFL option*	OPT-OTDR-PRO-UK
Inspection Probe Option for OPT-OTDR	OPT-OTDR-PROBE
ST Connector Adapter for OTDR Port	OPT-OTDR-ADPT-ST
SC Connector Adapter for OTDR Port	OPT-OTDR-ADPT-SC
FC Connector Adapter for OTDR Port	OPT-OTDR-ADPT-FC
Pass/Fail and Macrobend Fault Finder Software	OPT-OTDR-SK1-UPG

*product created on request : Lead times = 1month



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