

## Quad Wavelength OTDR

# OPTRONICS TEST

### Singlemode & Multimode OTDR

A user friendly multimode and singlemode OTDR specifically designed for testing and trouble-shooting enterprise, campus and access networks. Its 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 beginner or expert. The result is then shown as a trace or table of events, in full colour, making the location of faults in fibre cables simple. Transfer results to a USB memory stick or direct to PC via the USB port then easily manage the results with the free software provided. Improve your fibre testing capability by adding the optional power meter, visual fault locator and connector end -face inspection probe making the Optronics OTDR a truly versatile fibre optic test instrument.

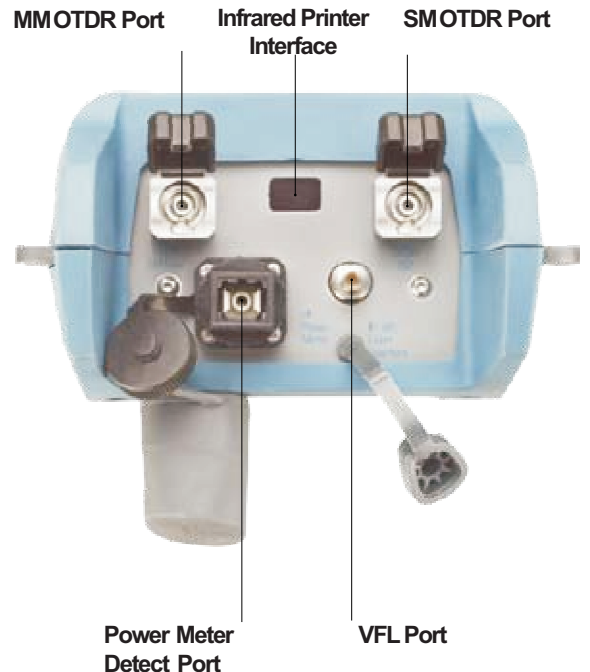
### Features

- X 850/1300nm wavelengths for multimode
- X 1310/1550nm wavelengths for singlemode
- X Over 30,000 sampling points giving high resolution for ultimate fault finding
- X Internal memory for up-to 500 results
- X 8 hour battery life
- X Transreflective colour screen
- X Light weight (1kg)
- X Onetouch testing
- X 6 languages including English, French, German, Spanish, Russian and Chinese
- X Optional VFL
- X Optional Power meter
- X Optional inspection probe
- X SC, ST and FC ports available
- X Add additional capacity via USB port



### Technical Specification

SPECIFICATION	HEADER	HEADER
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	50km
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 fiber. 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. All results can be stored for downloading at a later date. 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 patch cables. 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.



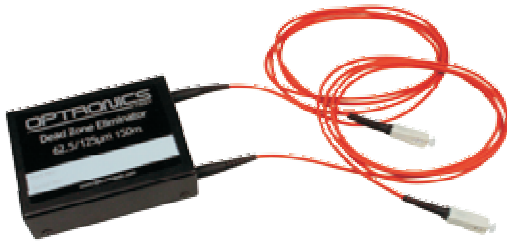
### VFL

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.

## LAUNCH LEADS

OTDRS require launch and receive test cables to measure the end-to-end loss of optical fibre links. A launch cable, which connects to the OTDR to the link under test, reveals the insertion loss and reflectance of the near-end connection. A receive cable, which is connected to the far-end of the link, reveals the insertion loss and reflectance of the far-end connection.

Optronics launch cables are available in a compact rugged box with 1.5m connectorised tails (or made to custom lengths). These can be neatly stored underneath the box with the provided Velcro ties. The box is loaded with 150m of fibre as standard and lengths up to 500m can be supplied on special order. The tails can be terminated with the connector combination of your choice. It is supplied in a protective pouch with a handy belt loop. Available fibre types are 50/125, 62.5/125 and 9/125.



## Product Range

Description	Part No
Optronics Test OTDR UK	OPT-OTDR-UK
Optronics Test OTDR EU	OPT-OTDR-EU
Optronics Test OTDR US	OPT-OTDR-US
Optronics Quad wavelength SM & MM OTDR with VFL option, UK power	OPT-OTDR-V-UK
Optronics Quad wavelength SM & MM OTDR with VFL option, EU power	OPT-OTDR-V-EU
Optronics Quad wavelength SM & MM OTDR with VFL option, US power	OPT-OTDR-V-US
Optronics Quad wavelength SM & MM OTDR with Power Meter option, UK power	OPT-OTDR-P-UK
Optronics Quad wavelength SM & MM OTDR with Power Meter option, EU power	OPT-OTDR-P-EU
Optronics Quad wavelength SM & MM OTDR with Power Meter option, US power	OPT-OTDR-P-US
Optronics Quad wavelength SM & MM OTDR with Power Meter and VFL option, UK power	OPT-OTDR-VP-UK
Optronics Quad wavelength SM & MM OTDR with Power Meter and VFL option, EU power	OPT-OTDR-VP-EU
Optronics Quad wavelength SM & MM OTDR with Power Meter and VFL option, US power	OPT-OTDR-VP-US
Optronics Quad wavelength SM & MM OTDR with Inspection Probe, Power Meter and VFL option, UK power	OPT-OTDR-PRO-UK
Optronics Quad wavelength SM & MM OTDR with Inspection Probe, Power Meter and VFL option, EU power	OPT-OTDR-PRO-EU
Optronics Quad wavelength SM & MM OTDR with Inspection Probe, Power Meter and VFL option, US power	OPT-OTDR-PRO-US
Inspection Probe Option for OPT-OTDR 400X Magnification	OP-OTDR-PROBE-4
Inspection Probe Option for OPT-OTDR 400X & 200X Magnification	OP-OTDR-PROBE-24
ST Connector Adapter for OTDR Port	OPT-OTDR-ADAPT-ST
SC Connector Adapter for OTDR Port	OPT-OTDR-ADAPT-SC
FC Connector Adapter for OTDR Port	OPT-OTDR-ADAPT-FC