

OPTRONICS TEST



ACCESS NETWORK TESTERS

CAMPUS / PREMISE NETWORK TESTERS

ACCESS NETWORKS TESTER

OTDR

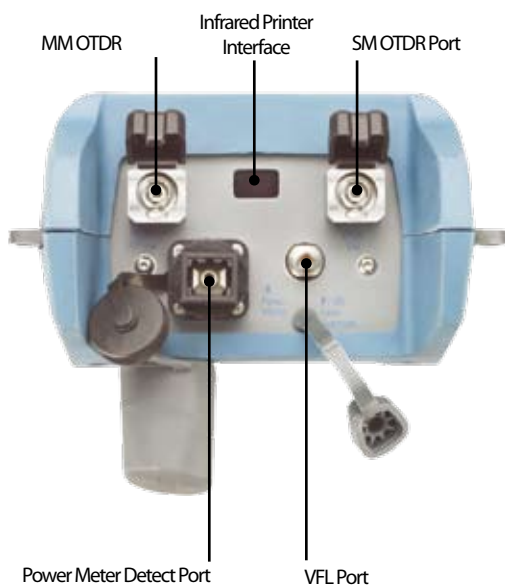


A user friendly multimode and singlemode OTDR specifically designed for testing and trouble-shooting enterprise, campus and access networks. Its robust construction and long battery life make it ideal for use in the field. A single button push starts a test, making it simple to use for beginner or expert. 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 AND BENEFITS

- 850/1300nm wavelengths for multimode
- 1310/1550nm wavelengths for singlemode
- Internal memory for up-to 500 results
- 8 hour battery life
- Transreflective colour screen
- Light weight (1kg)
- One touch testing
- English, French, German, Spanish, Russian and Chinese
- Optional VFL and Power meter
- Optional Inspection probe
- SC, ST and FC ports available
- Add additional capacity Via USB Port



SPECIFICATION

	MM	SM
Wavelength	850/1300nm	1310/1550nm
Dynamic Range	20/20dB	25/24dB
Event Dead Zone	3.5m	3m
Attenuation Dead Zone	12/12m	12/13m
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.

OTDR ACCESSORIES AND ADDITIONS



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.

OTDR ACCESSORIES AND ADDITIONS



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.

Optronic 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 and the tails can be terminated with the connector combination of your choice. Available fibre types are 50/125, 62.5/125 and 9/125.

DIMENSIONS

Length	Width	Height
102.4mm	77.4mm	30mm

OTDR ORDERING INFORMATION PART NUMBER GENERATOR

Specifies OTDR	Specifies OTDR Type and Accessories	Specifies Power Supply
XXX-	XXX	/XX
204-	02C = Test OTDR	/UK = UK Power Supply
	03D = Quad Wavelength SM & MM OTDR With VFL.	/EU = EU Power Supply
	04E = Quad Wavelength SM & MM OTDR With Power Meter.	/US = US Power Supply
	05F = Quad Wavelength SM & MM OTDR With Power Meter & VLF.	
	06A = Quad Wavelength SM & MM OTDR With Inspection Probe, Power Meter & VLF.	

Example: **204-02C/UK** = Test OTDR With UK Power Supply.

SPARES ORDERING INFORMATION

Interchangeable Connector Adaptors for OTDR

Description	Part Number
ST Adapter	OPT-OTDR-ADPT-ST
SC Adapter	OPT-OTDR-ADPT-SC
FC Adapter	OPT-OTDR-ADPT-FC

Power Cube Options

Description	Part Number
UK Power Supply	OPT-OTDR-AC-UK
EU Power Supply	OPT-OTDR-AC-EU
US Power Supply	OPT-OTDR-AC-US

Soft Carry Case With Strap

Description	Part Number
Carry Case With Strap	OPT-SOFTCASE-A

Soft Carry Case With Strap

Description	Part Number
Rechargeable Batteries	OPT-OTDR-BAT

FIBRE OPTIC NETWORK TEST KITS



OPTMS TEST KIT

The OPTMS test kit combines the OPTPM AUTO optical power meter and OPTLS QUAD integrated LED and LASER light source and is ideally suited for testing fibre optic networks with singlemode and multimode cables.

- Power measurements in dBm or μW ; insertion loss in dB.
- AA alkaline, optional rechargeable battery pack or AC adapter.
- Reference power level storage.
- Low battery indicator.
- Free 50 μm and 62.5 μm mandrels.
- Rugged, hand-held, lightweight.
- Designed for field use.
- Wave ID - automatic wavelength identification and switching.

OPTM TEST KIT

The OPTM test kit is an inexpensive solution for testing multimode systems. The OPTM kit combines the OPTPM optical power meter and the OPTLS Dual optical light source which operates at 850 and 1300nm. The OPTM test kit is a great kit for beginners or network owners and can be used for testing premises networks, LAN, and Gigabit Ethernet.

- Multimode testing.
- Loss measurements at 850 and 1300nm.
- Includes 50 and 62.5 μm mandrels.
- Field portable, battery operated with hard case.

OPTVFL LASER FAULT TESTER

The OPTVFL is a compact but powerful visual fault locator designed to troubleshoot faults on fibre optic cables. Light generated by this unit will escape from sharp bends and breaks in jacketed or bare fibres, as well as poorly mated connectors. It can also identify faults in fibre optic jumper cables, distribution frames, patch panels, and splice trays.

- 650nm visible red laser source.
- Universal connector interface for quick connection.
- High power (1mW).



ACCESS NETWORKS TESTER

OTHER PRODUCTS FROM THE OPTRONICS RANGE



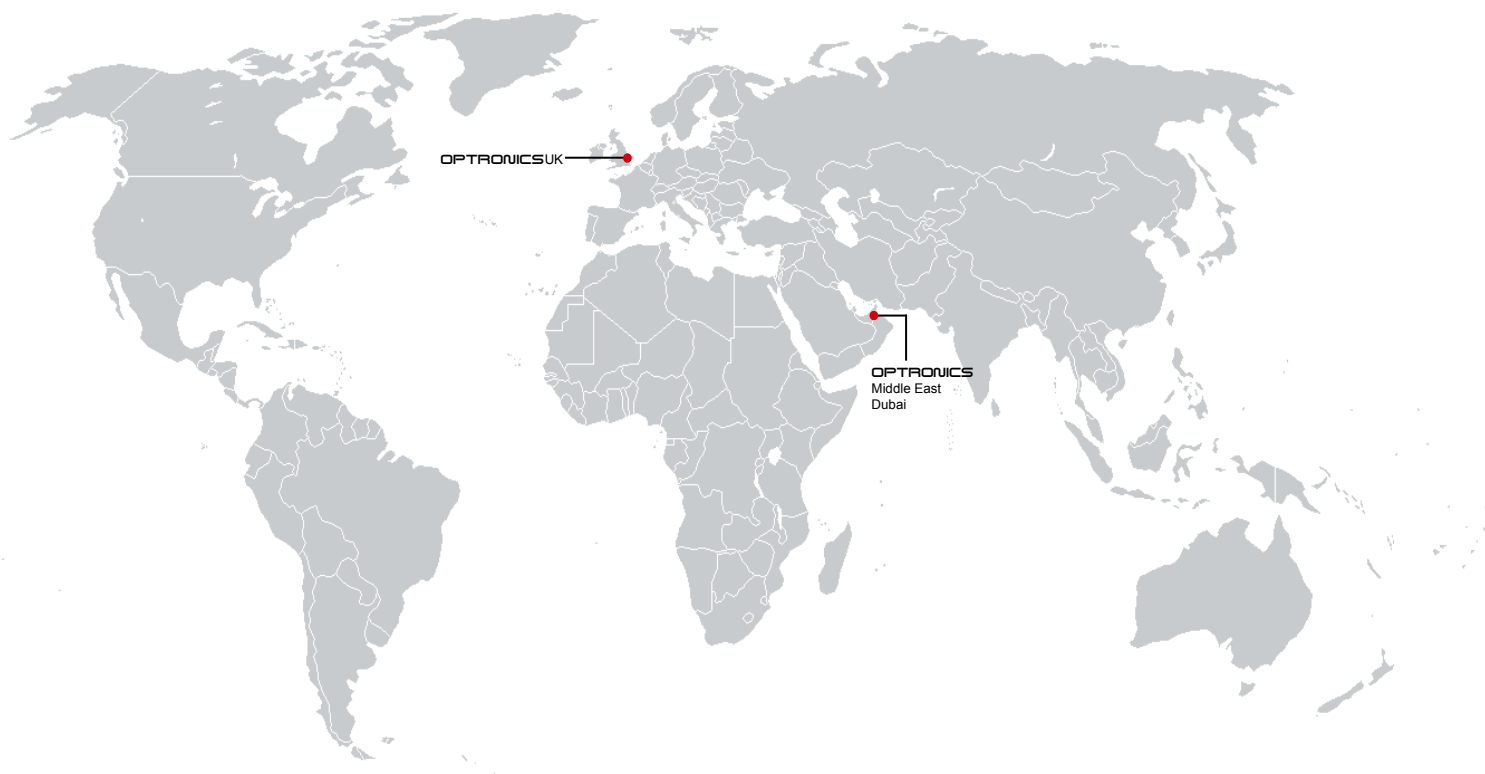
OPT-COLDKIT



OPT-HEATKIT

COLD CURE FIBRE TERMINATION AND INSPECTION KIT

HEAT CURE FIBRE TERMINATION AND INSPECTION KIT



YOUR LOCAL APPROVED STOCKIST:

FibreFab Limited

Davy Avenue, Knowlhill, Milton Keynes MK5 8ND Tel: +44 (0) 870 127 3330 Fax: +44 (0) 870 127 3331
Email: sales@fibrefab.com Internet: www.fibrefab.com



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