

Tools and Test Equipment



The Netherlands: +31 (0)23 - 531 91 84
infoNL@m-h.biz

Belgium: +32 (0)3 - 660 13 20
infoBE@m-h.biz

Germany: +49 (0)6192 - 97 91 85
infoDE@m-h.biz

www.m-hgroup.com
www.quintis.com



- Tools**
- Termination Kits**
- OTDR**
- Dead Zone Eliminator**
- OPTM Fibre Optic Loss Test Kit**
- Visual Fault Locator/ OPTVFL**

Tools and Test Equipment

Tools



EASY HANDLE STRIPPER

Description	Part No.
Easy Handle Stripper	OPT-FOS
This hard wearing, easy to handle fibre optic stripping tool includes three stripping guides for: 2mm outer jacket, 900µm Buffer, and 250µm acrylic coating, Safety catch and factory set adjuster.	



JACKET STRIPPER

Description	Part No.
Jacket Stripper	OPT-CS
Ideal for stripping jackets from backbone cable between 4.5mm and 25mm in Diameter. A small rotating blade accurately splits the circumference of the jacket, then by flicking a switch, the same blade will rotate 90° and is used to split the jacket down one side, for easy removal.	



CARBIDE PEN CLEAVER

Description	Part No.
Carbide Pen Cleaver	OPT-CPC
This well presented pen-style scribe, uses a 30° wedge shaped carbide tip. Its design makes for quick and precise cleaving of optical fibre.	



KEVLAR SCISSORS

Description	Part No.
Kevlar® Scissors	OPT-KS
These light-weight shears are ideal for cutting the Kevlar® strength members found in fibre optic cables. Ergonomic, moulded handles provide comfort for both right and left-handed users. The one micro-serrated blade reduces slippage for more positive cutting action. Length: 140mm Weight: 79g.	



UNIVERSAL CRIMP TOOL

Description	Part No.
Fibre Optic Crimp Tool	OPT-FOCT
This professional ratchet-style crimping tool is constructed of solid steel. The rubber handle provides a firm grip and includes a ratchet mechanism for consistent crimping. Crimp Specifications: .78" / .151" / .128" / .78" / .068" / .042" (4.52 / 3.84 / 3.25 / 2.0 / 1.72 / 1.07mm)	

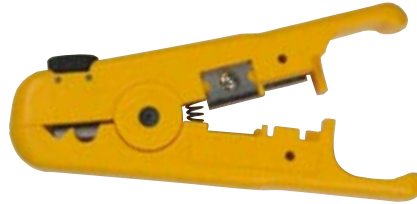
Tools and Test Equipment

Tools

UNIVERSAL STRIPPER

Description	Part No.
Universal Data Stripper	OPT+UTPS

This tool is ideally used for stripping the jacket from round data cable such as UTP and STP. With an adjustable blade it will strip from 3.2mm to 9mm, on flat cable, irregular out shape cable or even multi-conductor cable.



UTP/STP CYCLOPS STRIPPER

Description	Part No.
Cyclops Stripper	OPT+CYCLOPS

An outer sheath stripper for all types of data, audio and fibre optic cables. Completely automatic, no adjustments required. For cables up to 11mm in Diameter.



MODULAR CRIMP TOOL

Description	Part No.
Modular Crimp Tool	OPT-RJCT

A compact, lightweight and durable tool which can be used to crimp RJ45, RJ12 or RJ11 connectors onto data cable. In addition to crimping it can also be used to cut and strip round cable - although we recommend you use OPT+UTPS to perform this particular task.



IMPACT PUNCH DOWN TOOL

Description	Part No.
Impact Punch Down Tool	OPT+IPPT-S
Spare Scissor Blade	OPT+IPDT-SB

The impact punch down tool comes with an adjustable Hi-Lo pressure selector. The hook and tracer makes tracing and removing wires easy, and the twist lock style holder gives the ability to quickly, safely, change blades.



NETWORK TESTER

Description	Part No.
Network tester	OPT+NT

This basic level network tester will comprehensively test each twisted pair through RJ45 or RJ11 connectors. An easy red and green light system will notify you of which pairs are fully functional and which are faulty. Comes with remote end terminator for testing links and patchcords. Requires 1X 9V battery (not included).



Tools and Test Equipment

Tools



CLAUSS FIBRE OPTIC STRIPPER

Description	Part No.
Quality fibre optic cable stripper	CFS-2

The CF2-2 stripper incorporates two holes for stripping fibre optic cable. The first size accurately removes 250µm coatings and 900µm buffer tube. The second hole is able to strip cable jackets up to 3mm Diameter.



MILLER TRI-HOLE FIBRE OPTIC STRIPPER 1

Description	Part No.
Tri-hole fibre optic cable stripper	FO103-T-250-J

The tri-hole fibre optic stripper is an exceptional tool, recommended for stripping 250µm coated loose tube fibre and 900µm buffer tube. This stripper has a .0055" (0.14mm) laser drilled hole, soft plastic cushioned handle grip, and super accurate hardened stripping jaws, ensuring a clean smooth stripping action.



MILLER DUAL-HOLE FIBRE OPTIC STRIPPER 2

Description	Part No.
Dual-hole fibre optic stripper	FO103-D-J

The FO103-D-J A 140µm Diameter hole and V-opening in the blade make this tool ideal for stripping 250µm buffer coating, to expose 125µm clad fibre. A second hole strips 2-3mm fibre jackets. It is pre-set at the factory so no adjustments are needed.



MILLER FIBRE OPTIC STRIPPER

Description	Part No.
Miller V-hole fibre optic strippers	FO103-S

These factory set strippers require no adjustment and prevent scratching or nicking of optical fibre. All cutting surfaces are precision formed, hardened, tempered and ground, assuring precise buffer removal.



NO-NIK FIBRE OPTIC STRIPPER

Description	Part No.
NO-NIK 200µm fibre optic stripper	NN203

In a single short stroke the red handle removes 900µm buffer tube and the 250µm or 500µm fibre coating on tight buffer cable.

Tools and Test Equipment

Tools

ABECO "CC" SERIES CABLE CUTTER / STRIPPER

Description	Part No.
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Cable cutter	CC60
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These durable cable cutters are designed to strip solid and stranded copper and aluminium conductor. Constructed of high quality carbon steel the preformed rounded jaws automatically position for optimum cutting.



ABECO JACKET STRIPPING TOOL

Description	Part No.
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Jacket stripping tool	MK02
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This stripper can be used on 4.5 to 28.5mm cable insulations and has an adjustable cutting depth of 3mm, as well as alternative blade options to suit different jacket types. Its stripping action is both circumferential and longitudinal, for the removal of insulation or mid span wires.



ABECO JACKET STRIPPING TOOL

Description	Part No.
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Jacket stripping tool	MK01A
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Designed for precision stripping of a variety of insulation types including rubber, PVC, nylon, cotton and coaxial cables from 8mm to 25mm Diameter. Its stripping action is both circumferential and longitudinal for the removal of insulation or mid span wires.



RIPLEY MAGNI TWEEZERS

Description	Part No.
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Magni tweezers	MT-1
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This handy stainless steel tool is specifically suited to fibre optic applications. Its integral magnifier improves ability to work with small fibre optic segments.



MILLER KEVLAR SHEARS

Description	Part No.
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Kevlar® shears	KS-1
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These lightweight shears are perfect for cutting Kevlar® strength members. The blades are made from high carbon molybdenum and vanadium steel for a long life and a precise, neat cut.



Tools and Test Equipment

Termination Kits

Cold Cure Fibre Termination and Inspection Kit



The cold cure fibre termination and inspection kit, is a much needed and valuable piece of kit for anyone who wishes to terminate fibre using the cold cure method. This kit is suited for anyone who is competent at terminating fibre. The kit contains a range of tools (contents listed below). An inspection scope also comes, as standard. All items are packed into their own cut-foam compartment to keep them safe from damage, and all are presented in a very robust, virtually indestructible, yet stylish, case ideal for such fragile equipment.

We have recently updated and modernised this range of tool kits. They are a must-have for any installer in the fibre optic industry. Our kits now come loaded with a high quality and very popular range of tools giving the user comfort in the knowledge that they are using a superior tool with a consistent quality in performance which is critical in our industry today.

The tool cases themselves are IP67 rated, and are normally used in military applications therefore you can be assured that they have been through and passed rigorous tests. Our cases offer the following features and benefits:

- ▶ Airtight
- ▶ Interstackable
- ▶ High thickness body material
- ▶ Crush proof
- ▶ Corrosion proof
- ▶ Watertight and waterproof
- ▶ Shock proof
- ▶ Sand and dust proof
- ▶ Can withstand temperatures between -33 / +90 °C

The inserts are made from a very dense foam which will not absorb any liquid that may be spilled. This is ideal for protecting any fragile equipment contained in the kit. The foam inserts have also been routed via a computerised method, this allows the contents to fit perfectly, in their own special areas, ensuring maximum security from possible damage. We have also allowed for a two-tone effect which allows the easy identification of missing tools.

In addition to the standard kits, we also offer a customization program for those who wish to really put their own mark on the kit, and decide exactly how the contents should be made up. (MOQ, price variations and lead times will apply)

Kit Contents

ITEM	QUANTITY	ITEM	QUANTITY	ITEM	QUANTITY
Inspection Scope (x200 mag)	1	Carbide Pen Scribe	1	2ml Syringe	5
Fibre Optic Stripper (Tri Hole)	1	Fluid Dispenser	1	Sin Bin	1
Kevlar Scissors	1	Cold Cure Epoxy	5	Lapping Film (0.3 / 1.0 / 5.0µm)	15 (5 of each µm)
Fibre Optic Crimp Tool	1	1.25mm Polishing Puck	1	Glass Polishing Plate	1
Cable Ringing Tool	1	2.5mm Polishing Puck	1	Lint Free Tissue	1 pack (100 sheets)
Universal Stripping Tool	1	1" Yellow Syringe Tips	5		

Ordering Information

DESCRIPTION	PART NO.
Cold Cure Kit	OPT-COLDKIT

Termination Kits

Heat Curing Fibre Termination and Inspection kit



The heat curing fibre termination and inspection kit is a much needed and valuable piece of kit for anyone who wishes to terminate fibre using the heat cure method. This kit is suited for anyone who is competent at terminating fibre in this manner. The kit contains a range of tools (contents listed below) and uses the quality high temperature curing epoxy from ResinTech, in conjunction with a Fibretron curing oven. An inspection scope also comes standard. All items are packed into their own cut-foam compartment to keep them safe from damage, and all are presented in a robust, virtually indestructible, yet stylish, case, ideal for such fragile equipment.

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The inserts are made from a very dense foam which will not absorb any liquid that may be spilled. This is ideal for protecting any fragile equipment contained in the kit. The foam inserts have also been routed via a computerised method, this allows the contents to fit perfectly, in their own special areas, ensuring maximum security from possible damage. We have also allowed for a two-tone effect which allows the easy identification of missing tools.

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Kit Contents

ITEM	QUANTITY	ITEM	QUANTITY	ITEM	QUANTITY
Termination Oven	1	Universal Stripping Tool	1	2ml Syringe	5
Inspection Scope (x200 mag)	1	Carbide Pen Scribe	1	Hospital Sin Bin	1
Fibre Optic Stripper (Tri hole)	1	Fluid Dispenser	1	Lapping Film (0.3/1.0/5.0µm)	15 (5 of each type)
Kevlar Scissors	1	1.25mm Polishing Puck	1	Glass Polishing Plate	1
Fibre Optic Crimp Tool	1	2.5mm Polishing Puck	1	Lint Free Tissue	1 pack (100 sheets)
Cable Ringing Tool	1	1" Yellow Syringe Tips	5		

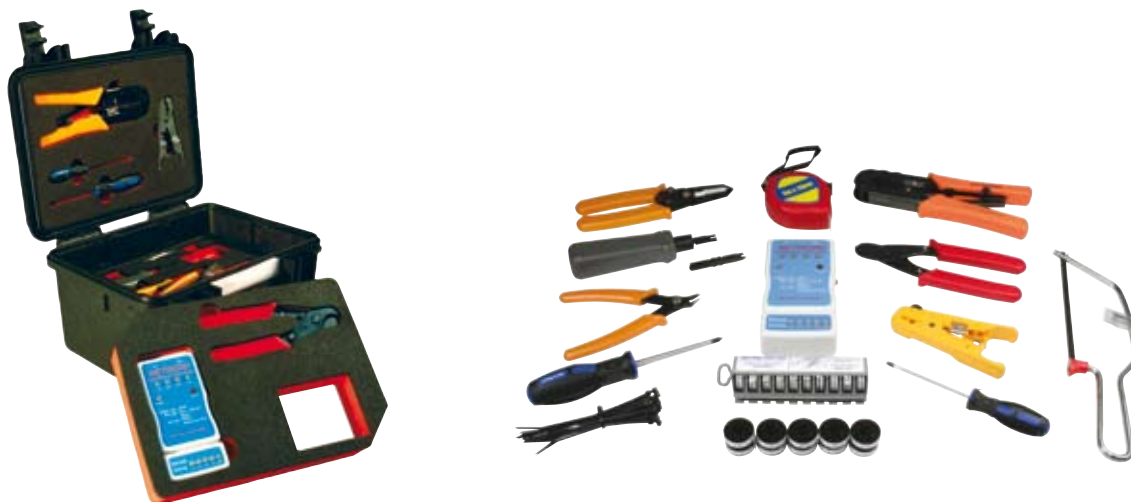
Ordering Information

DESCRIPTION	PART NO.
Heat Curing Kit	OPT-HEATKIT

Tools and Test Equipment

Termination Kits

Installers Tool Kit



The network installer kit is a must have for anyone who is terminating a copper network. It contains all the essential tools needed for copper installation. It is suited to all levels of users, from an apprentice, right up to an experienced engineer. The kit contains a range of tools (contents listed below). The tools are packed into their own cut foam compartments and all are presented in a robust, virtually indestructible, yet stylish case.

We have recently updated and modernised their range of tool kits. They are a must have for any installer in the copper industry. Our kits now come loaded with the highest quality tools, giving the user comfort in the knowledge that they are using a superior tool with a consistent quality and performance, which is critical in our industry today. The excellence of the tools is also represented in the tool case for in which the tools are presented.

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- ▶ Corrosion proof
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- ▶ Shock proof
- ▶ Sand and dust proof
- ▶ Can withstand temperatures between -33 / +90 °C

The inserts are made from a very dense foam which will not absorb any liquid that may be spilled. This is ideal for protecting any fragile equipment contained in the kit. The foam inserts have also been routed via a computerised method, this allows the contents to fit perfectly, in their own special areas, ensuring maximum security from possible damage. We have also allowed for a two-tone effect which allows the easy identification of missing tools.

In addition to the standard kits, we also offer a customization program for those who wish to really put their own mark on the kit, and decide exactly how the contents should be made up. (MOQ, price variations and lead times will apply)

Kit Contents

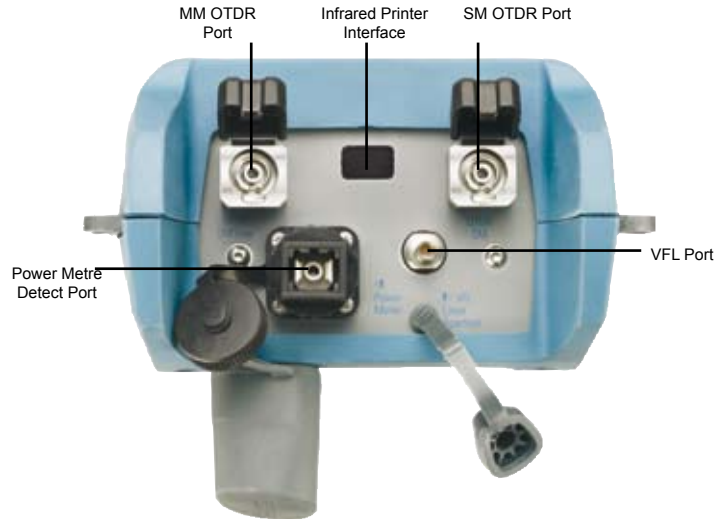
ITEM	QUANTITY	ITEM	QUANTITY	ITEM	QUANTITY
Network Cable Tester	1	Modular Crimp Tool	1	5m Tape Measure	1
Precision Wire Cutters	1	Non Impact Punch Down Tool with Krone Blade	1	Cross Head Screwdriver	1
Wire Cutter and Stripper	1	Alternative Punch Down Blade for 66, 110/88	1	Flat Head Screwdriver	1
Cable Cutter	1	Cat5e RJ45 Plugs	50	Label Markers + Dispenser	1
UTP Stripper	1	Junior Hack Saw	1	Cable ties	100

Ordering Information

DESCRIPTION	PART NO.
Network Installers Tool Kit	OPT+INSTALLKIT

OTDR

Multimode and Singlemode OTDR



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 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 metre, visual fault locator and connector end-face inspection probe. This ensures that this OTDR is a truly versatile fibre optic test instrument.

Features & 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
- ▶ One touch testing
- ▶ 6 languages; English, French, German, Spanish, Russian and Chinese
- ▶ Optional VFL, power metre or Inspection probe
- ▶ SC, ST & FC ports available

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	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 fibre. Dead zones with a -45dB reflection for SM, with a -35dB reflection for MM, using the shortest pulse.



We also offer a complete range of cleaning products for your OTDR.



Tools and Test Equipment

OTDR



Power Metre

Adding the power metre 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 metre. All results can be stored for downloading at a later date. The power metre covers the range from 800nm to 1650nm, offering a power range of -60 to 26dBm. The power metre 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.

Ordering Information

DESCRIPTION	PART NO.
Test OTDR UK	OPT-OTDR-UK
Quad wavelength SM & MM OTDR with VFL option*	OPT-OTDR-V-UK
Quad wavelength SM & MM OTDR with Power Metre option*	OPT-OTDR-P-UK
Quad wavelength SM & MM OTDR with Power Metre and VFL option*	OPT-OTDR-VP-UK
Quad wavelength SM & MM OTDR with Inspection Probe, Power Metre and VFL option*	OPT-OTDR-PRO-UK
Inspection Probe Option for OPT-OTDR	OPT-OTDR-PROBE
ST Connector Adapter for OTDR Port	OPT-OTDR-STPA
SC Connector Adapter for OTDR Port	OPT-OTDR-SCPA
FC Connector Adapter for OTDR Port	OPT-OTDR-FCPA

*product created on request : Lead times = 1month

Tools and Test Equipment

Dead Zone Eliminator

Compact Dead Zone Eliminator



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.

The 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 hook and loop 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.

Features

- ▶ 1.5m tails
- ▶ Choice of connectors
- ▶ 150m of fibre standard
- ▶ No splicing

Avantages

- ▶ Compact Solution
- ▶ 150m of fibre as standard
- ▶ Rugged construction
- ▶ 50N cable retention force

Technical Specification

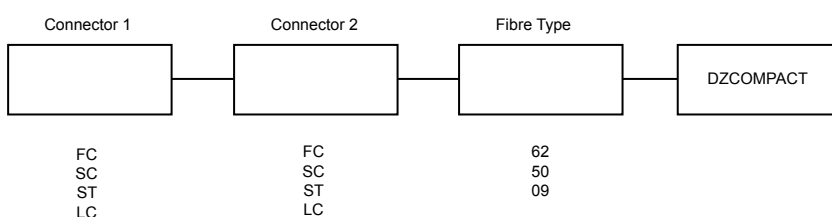
We test all terminations as per IEC 61300-3-4 and IEC 61300-3-6.

Specific link losses over the length are dependent upon fibre type, wavelength used and length of fibre. Individual test certification supplied with each product.

For individual fibre specifications please see our standard fibre datasheets.

Operating Temperature	-40 to +85°C
Intermateability	Compliant with IEC 61754 series
Fire Performance	Compliant with IEC 60332-1

Ordering Information



Tools and Test Equipment

OPTM Fibre Optic Loss Test Kit

OPTM Fibre Optic Loss Test Kit



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

Features

- ▶ Multimode testing
- ▶ Includes 50µm and 62.5µm mandrels
- ▶ Certify 50µm or 62.5µm multimode fibre
- ▶ NIST traceable
- ▶ Loss measurements at 850 and 1300nm
- ▶ Field portable, battery operated
- ▶ Links for any 850 or 1300nm application, including gigabit ethernet (GBE)

ORDERING INFORMATION

Description	Part No.
Optical light source, optical power metre, protective rubber boots, adapter cap, 50µm and 62.5µm mandrels, user's guide, and carrying case.	OPTMKIT
Test leads and connector adapters are required for operation (purchased separately). Test leads with a variety of connector styles and fibre types are available. Adapter caps for most common connectors may be purchased.	

Technical Data

RoHS Compliant

MODEL	OPTM KIT
Optical Light Source	OPTLS Dual
Output ports	2
Output wavelength	850 + 35/-40 nm 1300 + 50/-10 nm
Spectral width (typ) (FWHM)	40nm 120nm
Output power	-20 dBm >-20dBm
Stability(at 25°C, 5 min. warm up)	0.1 dB over 8 hours
Fibre size	62.5 µm**
Emitter type	Class 1(IEC60825 - 1)
Power	Typical 60 hours with 9V battery, optional AC adapter
Connector	ST
Size (H x W x D)	5.5 x 3.2 x 1.5 in (14.0 x 8.1 x 3.8 cm)
Weight	(.29 kg)

All specifications at 25° C

OPTICAL POWER METRE	
Calibration Wavelength	850, 1300, 1310, 1550 nm
Detector type	Germanium (Ge)
Dynamic Range	+6 to -60 dBm
Accuracy(at 25°C -10.0dBm)	±0.25 dB
Measurement Units	dBm
Power	Typical 60 hours with 9V battery
Adapter Caps	Order separately (ST, SC, FC, and others available)
Size (H x W x D)	5.5 x 3.2 x 1.5 in (14.0 x 8.1 x 3.8 cm)
Weight	0.58 lb (0.26 kg)

GENERAL KIT SPECIFICATIONS

Dynamic Range:	40 dB @ 850 & 1300 nm
Multimode (62.5/125 µm)	20 dB @ 1300 nm
Singlemode (9/125 µm)	
Weight	2.9 lbs (1.3 kg)
Dimensions	9.2 x 13.4 x 4.2 in (23.4 x 34 x 10.7 cm)
Operating Temperature	-10 to 50°C
Storage Temperature	-30 to 60°C

Available in Multimode and Singlemode version
Part No. OPTMSKIT

Mini Fibre Optic Visual Fault Locator /

OTVFL-MINI

V.3.0

Description

The OPTVFL-MINI is a powerful pocket-sized visual fault locator, designed to trouble shoot faults on fibre optic cables. Small enough to easily fit inside an installers pocket or tool belt, it is the ideal tool to carry on site and have on hand for any emergency.

The OPTVFL-MINI is a necessary addition to an engineers tool set because it can identify breaks, bends and connector losses inside the OTDR's dead-zone. Portable and light, it lends itself to other applications, including end-to-end continuity checks, identifying connectors in patch panels and identifying fibres during splicing operations. The universal 2.5mm connector interface provides fast operation with many connector styles, without the need to change adapters.

Features

- 650nm visible red laser source
- Truly pocket size, complete with protective soft case
- High power (1mW)
- 2.5mm universal connector interface for quick connection (for SC/ST/FC)
- Compact size
- 1.25mm universal adapter available (for LC/MU)

Technical Specification

GENERAL	OPTVFL
Connector type	Universal 2.5mm adapter
Power	2 AA alkaline batteries
Operating temperature	-10 to 45°C
Storage temperature	-40 to 70°C
Size (H x W x D)	100 x 30 x 18mm
Weight	60g including batteries

OPTICAL	OPTVFL
Emitter type	Class 2 laser diode
Wavelength	650 nm ± 10 nm
Output power	1 mW continuous wave
Modulation	2 Hz or CW selected

Ordering Information

DESCRIPTION	PART NO.
Optronics Mini Visual Fault Locator - 650nm - 2.5mm Universal Adapter	OPTVFL-MINI
1.25 Adaptor available	OPTVFL-2-ADPT1.25



OPTVFL-MINI

OPTVFL-2-ADPT1.25

Visual Fault Locator/ OPTVFL

Visual Fault Identifier OPTVFL



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 cables, distribution frames, patch panels, and splice trays.

The OPTVFL is an excellent addition to an engineers tool set because it can locate broken fibre inside the OTDR's dead-zone. Being portable and light it lends itself to other applications, including end-to-end continuity checks, identifying connectors in patch panels, and identifying fibres during splicing operations. The universal connector interface provides fast operation with many connector styles, without the need to change adapters.

Features

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

Technical Data

GENERAL	
Connector type	Universal adapter (2.5 mm included)
Power	2 AA alkaline batteries (60 hours typical)
Operating temperature	10 to 35°C, 85% humidity non condensing
Storage temperature	0 to 50°C, 95% humidity 0 to 50°C, 95% humidity
Size (H x W x D)	.5 x 2.4 x 1.3 in (14.0 x 6.2 x 3.2 cm)
Weight	7.06 oz (< 200 g)

OPTICAL	OPTVFL
Emitter type	Laser (FDA and IEC Class II)*
Wavelength	650 nm ± 10 nm
Output power	1 mW (into single-mode fibre)
Modulation	2 Hz or CW selected

* FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1 amended Q2, 2001.

ORDERING INFORMATION

Description	Part No.
OPTVFL Visual Fault Identifier, Instruction Card and Carrying Case.	OPTVFL

RoHS Compliant

Cleaning and Consumables



- ▶ **Lint Free Tissue**
- ▶ **IPA Wipes**
- ▶ **Foam Buds**
- ▶ **Micro Fibre Sticks**
- ▶ **Optronics Cleaning Kit**
- ▶ **Other Cleaning Brands**
- ▶ **Polishing**
- ▶ **Production equipment**

Low Lint Tissue



Low lint tissues are a versatile consumable for many applications. They are primarily used to clean bare fibre as part of the termination or splicing process.

The lint free characteristic allows them to be used for a multitude of other purposes, such as cleaning optical equipment and preparing work surfaces.

Features

- ▶ Super fast absorbency
- ▶ Can be used dry or with fluid
- ▶ Leaves no lint / fluff / dust particles
- ▶ Removes and absorbs dirt / grease / water / chemicals
- ▶ Tear resistant
- ▶ Strong non woven material

Specification

- ▶ Material: 44% wood pile tissue & 56% Terylene
- ▶ Size: 100mm x 100mm
- ▶ Thickness: 0.05mm
- ▶ Absorbency rate: 560%
- ▶ Absorbency speed: 5 seconds
- ▶ Class:10000

PRODUCT	PACK SIZE	PART NO.
Lint Free Tissues	100	CLEANTISSUE/100
Lint Free Tissues	400	CLEANTISSUE/400

Cleaning and Consumables

IPA Wipes



The pre-saturated wipes contain 99% pure IPA or isopropyl alcohol. The wipe material is made from a high quality, non-abrasive, low lint fabric.

They can efficiently remove dust, grease, oil, flux, soils and other contaminants or residues from substrates prior to bonding such as bare optical fibre during a termination or splicing process.

Features

- ▶ High absorbance and liquid retention
- ▶ Strong and tear proof
- ▶ Resistant to vigorous use
- ▶ Safe on plastics
- ▶ Rapid evaporation
- ▶ Zero residue
- ▶ Non-abrasive
- ▶ Lint free fabric
- ▶ Ideal for cleaning bare optical fibre

Specification

- ▶ Low lint saturated wipe
- ▶ 99% pure Isopropyl Alcohol
- ▶ Wipe Size: 157mm x 176mm
- ▶ Sachet Size: 63mm x 59mm x 5mm
- ▶ PH: Neutral
- ▶ Evaporation Rate: 1.9
- ▶ Highly flammable

PRODUCT DESCRIPTION	PACK SIZE	PART NO.
IPA Saturated Wipes	50pcs	CLEANWIPES

Foam Buds



Foam buds are the ideal consumable for cleaning bulkheads after installation. They are used to clean the end faces of installed connectors, from inside the enclosure. The snug fit from the foam head will also remove any contaminants found inside the adapter.

Features

- ▶ Fast absorbency
- ▶ Can be used dry or with fluid
- ▶ Efficient removal of contaminants
- ▶ Leaves no lint / fluff / dust particles
- ▶ Removes and absorbs dirt / grease / water / chemicals
- ▶ Works with all 2.5 mm adapters: SC, SC2, FC, ST, DIN, D4, MT

Specification

- ▶ Material: Polyurethane
- ▶ Size: 68mm x 2mm (body)
9mm x 3mm (head)
- ▶ Thickness: 0.05mm
- ▶ Absorb speed: 6-8 seconds
- ▶ Class: 10000

PRODUCT DESCRIPTION	PACK SIZE	PART NO.
2.5mm Foam Buds	100 pcs	CLEANBUDS

Cleaning and Consumables

Micro Fibre Sticks



Micro fibre sticks are the ideal consumable for cleaning 1.25mm bulkheads after installation. They can be used to clean the end faces of installed connectors, from inside the enclosure. Cleaning is achieved by inserting the micro fibre tip inside the adapter's aperture and twisting once.

The micro fibre material allows the user to clean installed connector end faces without scratching the surface, and ensures a perfect clean first time.

Features

- ▶ Fast absorbency
- ▶ Can be used dry or with fluid
- ▶ Efficient removal of contaminants
- ▶ Leaves no lint / fluff / dust particles
- ▶ Removes and absorbs dirt / grease / water / chemicals
- ▶ Works with 1.25mm adapters: LC, MU

Specification

- ▶ Material: Micro fibre, antistatic
- ▶ Size: 10mm x 4mm (body)
13mm x 2mm (head)
- ▶ Thickness: 0.05mm
- ▶ Absorb speed: 6-8 seconds
- ▶ Class: 10000

PRODUCT DESCRIPTION	PACK SIZE	PART NO.
1.25mm Micro Fibre Sticks	100	CLEANSTICK

Cleaning Kit



The fibre optic cleaning kits combine all the best and most widely used products in one simple to use package. They contain all the necessary products to competently and professionally clean fibre optic installations. With 3 levels of kit available it's easier to choose the right one for the application.

Feature and Benefits

- ▶ High quality products
- ▶ 3 levels depending on user application
- ▶ Products available individually for kit refill
- ▶ Provided in a soft carry case

Contents

PRODUCT DESCRIPTION	KIT N°1	KIT N°2	KIT N°3	PART NUMBER
Lint Free Tissue	100 pieces	100 pieces	100 pieces	CLEANTISSUE
2.5mm Foam Buds	100 pieces	100 pieces	100 pieces	CLEANBUDS
1.25mm Micro Fibre Stick	100 pieces	100 pieces	100 pieces	CLEANSTICK
IPA Wipes	10 pieces	10 pieces	10 pieces	CLEANWIPES
Connector Cleaner	1 piece	1 piece	1 piece	CLEANAIR
Air Duster	1 piece	1 piece	1 piece	FCC
Optical Cleaner	--	1 piece	1 piece	FPF03M
Cassette Cleaner	--	--	1 piece	14110611
200x Pocket Scope	1 piece	1 piece	1 piece	OPT-FHS-200X-B
Soft Carry Case	1 piece	1 piece	1 piece	OPT-SOFTCASE-B

DESCRIPTION	PART NO.
Level One Cleaning Kit	CLEANKIT-L1
Level Two Cleaning Kit	CLEANKIT-L2
Level Three Cleaning Kit	CLEANKIT-L3

Cleaning and Consumables



KIMWIPES



MICROCARE



CLETOP

Production equipment



POLISHING MACHINES



CURING OVEN



POLISHING FILMS

Other

Our research and development facilities provide us with the engineering expertise for any project. Please contact us for if you have any prospective products requiring design, manufacture or testing, within a short lead time.