



### LANtest Kit

The LANtest Kit is an easy to operate and convenient wiring tester for all networks

#### Characteristics

- Simple results illustration in Pin-to-Pin format
- The remote unit is able to test cables with lengths of up to 350 m
- Tests the screening of a cable
- Test cables either automatically or in steps
- Tests break, open, short-circuited and incorrectly wired cables
- Tests coaxial cables using the adapter set supplied
- Tests network cables in the 10Base-T, 10Base-2 Thin Ethernet, RJ45/RJ11 category, modular cables 356A, TIA-568A/568B and Token Ring cables etc.

Item	Part No.
LANtest Kit	<b>50115731</b>

Scope of supply	Part No.	Page
BNC Adapter cable		
Bag		
Battery 9 V		



### NETcat® Micro NC-100



The new NETcat® Micro NC-100 is a wiring tester for data, voice and video cables, the result being clearly displayed on a backlit LCD.

#### ■ Built-in tone generator

#### Characteristics

- Testing of twisted pair (UTP, STP) and coaxial cables
- Locating short-circuits, breaks, incorrect wiring and split pair errors
- Surge warning feature
- Digital, backlit display
- Telephone (RJ-12), LAN (RJ-45) and coaxial connector (F type) ports
- Integrated remote unit
- Three selectable tone signals for cable identification

Item	Part No.
NETcat® Micro NC-100	<b>52024541</b>

Scope of supply	Part No.	Page
Twisted-pair, coax and crocodile terminals connection cable		
Battery 9 V		

**NETcat® Micro + 200EP**



NETcat® Micro NC-100 in combination with inductive receiver 200EP for cable identification

**Characteristics**

- Telephone (RJ-12), LAN (RJ-45) and coaxial connector (F type) ports
- Integrated remote unit
- Three selectable tone signals for cable conductor identification
- Testing of twisted pair (UTP, STP) and coaxial cables
- Locating short-circuits, breaks, incorrect wiring and split pair errors



Item	Part No.	
NETcat® Micro + 200EP	<b>NC100EP</b>	
Scope of supply	Part No.	Page
NETcat® Micro	52024541	686
Inductive receiver 200EP	50086715	
Battery 9 V		
Bag		

**NETcat® Pro NC-500**



The NETcat® Pro NC-500 is a fast and precise wiring and network service tester with TDR function

- Touchscreen, backlit display with contrast adjustment
- Length measurement using TDR function up to 609.6 m

**Characteristics**

- Four selectable tone signals for cable identification
- Displays active network devices (PC or hub) in 10/100Base-T networks
- NVP calibration
- ID detection of up to eight remote units with optional NC-510 accessory kit
- Testing of twisted pair (UTP, STP) and coaxial cables
- Locating short-circuits, breaks, incorrect wiring and split pair errors



Item	Part No.	
NETcat® Pro NC-500	<b>52024556</b>	
Scope of supply	Part No.	Page
Twisted-pair, coax and crocodile terminals connection cable		
Battery 9 V		

Accessories	Part No.	Page
7 additional remote units from ID2 - ID8, including bag	52024661	



### Expanded single mode loss test set

The set combines a reliable dual laser source with 1310 nm/1550 nm and an optical power meter in a device for measuring of insert and link loss

- 1000 measurement storage capacity
- Universal connections (1 x SOC, 1 x UCI)

#### Characteristics

- Simple operation via keypad and intuitive guidance
- Operation of terminal allows the automation of protracted and repeat measurements
- Rubber surround protects the device if knocked or dropped
- Indium Gallium Arsenide (InGaAs) photo detector
- 1310/1550 nm Dual laser source
- Measuring range from +3 dBm to -75 dBm.
- PASS/FAIL test with acoustic signal
- Manual or time-controlled data acquisition for intervals of between one second and one hour
- RS232 Interface for device configuration and data transfer to a PC or serial printer
- Large, backlit LC display for clear reading of signal strength and calibrated wavelengths

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
Expanded single mode loss test set	<b>50605508</b>



### Basic SM Test set

These fiberTools® single mode loss test sets are used to test, fault find and maintain telecommunications and LAN equipment

#### Characteristics

- Simple source switchover from 1310/1550 nm by a keystroke
- Reliable, calibrated output
- Robust and splash resistant
- Hard-shell tool case
- Constant or modulated light wave
- 0.01 dB measuring resolution
- Powered by standard AA batteries
- Measurement of insertion loss with single mode cabling

Item	Part No.	
Basic SM Test set, E2000-PC	<b>50606116</b>	
Basic SM Test set, FC-PC	<b>50606086</b>	
Basic SM Test set, ST-PC	<b>50606093</b>	
Basic SM Test set, SC-PC	<b>50606109</b>	
Basic SM Test set, DIN	<b>50606079</b>	
Scope of supply	Part No.	Page
InGaAs optical power meter 555B	50605676	694
1310/1550nm laser source 262A	50605645	697
Hard-shell case 900B	50606840	699
Adapter for power meter to suit type		
Adapter for laser source to suit type		

### Deluxe SM Test set

These fiberTools® single mode loss test sets are used to test, fault find and maintain telecommunications and LAN equipment

#### Characteristics

- Simple source switchover from 1310/1550 nm by a keystroke
- Reliable, calibrated output
- Robust and splash resistant
- Hard-shell tool case
- Constant or modulated light wave
- 0.01 dB measuring resolution
- Powered by standard AA batteries
- Measurement of insertion loss with single mode cabling



Item	Part No.	
Deluxe SM Test set, E2000-PC	50606185	
Deluxe SM Test set, FC-PC	50606154	
Deluxe SM Test set, ST-PC	50606161	
Deluxe SM Test set, SC-PC	50606178	
Deluxe SM Test set, DIN	50606147	
Scope of supply	Part No.	Page
InGaAs optical power meter 555B	50605676	694
1310/1550nm laser source 262A	50605645	697
Hard-shell case 900B	50606840	699
Adapter for power meter to suit type		
Adapter for laser source to suit type		
Visual fault finder		
Tab cleaner		
Cleaning swabs		

### Basic MM Test set

These fiberTools® multi mode loss test sets are used to test, fault find and maintain LANs and other network users

#### Characteristics

- Simple output switchover from 850nm to 1300nm by a keystroke
- Reliable, calibrated output
- Hard-shell tool case
- 0.01 dB measuring resolution
- Powered by standard AA batteries
- Measurement of insertion loss with multi mode cabling



Item	Part No.	
Basic MM Test set, E2000-PC	50606277	
Basic MM Test set, FC-PC	50606246	
Basic MM Test set, ST-PC	50606253	
Basic MM Test set, SC-PC	50606260	
Scope of supply	Part No.	Page
InGaAs optical power meter 555B	50605676	694
850/1300 nm LED source 252B	50605300	696
Hard-shell case 900B	50606840	699
Adapter for power meter to suit type		
Adapter for laser source to suit type		



### Deluxe MM Test set

These fiberTools® multi mode loss test sets are used to test, fault find and maintain LANs and other network users

#### Characteristics

- Simple output switchover from 850 nm to 1300 nm by a keystroke
- Solid and splash resistant instrument
- Hard-shell tool case
- 0.01 dB measuring resolution
- Powered by standard AA batteries
- Measurement of insertion loss with multi mode cabling

Item	Part No.	
Deluxe MM Test set, E2000-PC	50606359	
Deluxe MM Test set, FC-PC	50606322	
Deluxe MM Test set, ST-PC	50606338	
Deluxe MM Test set, SC-PC	50606348	
Deluxe MM Test set, DIN	50606315	
Scope of supply	Part No.	Page
InGaAs optical power meter 555B	50605676	694
850/1300 nm LED source 252B	50605300	696
Hard-shell case 900B	50606840	699
Adapter for power meter to suit type		
Adapter for laser source to suit type		
Visual fault finder		
Tab cleaner		
Cleaning swabs		



### Multimode fibreglass test set 5670XL



Multimode fibreglass test set for wavelengths of 850/1300 nm. For determining losses in fiber optic cables

#### Characteristics

- For 850/1300 nm wavelengths
- Plug for FC, ST or SC
- Solid housing
- Light source with fixed connection
- Measurement of insertion loss with multi mode cabling

Item	Part No.	
Multimode fibreglass test set 5670XL-FC	52022361	
Multimode fibreglass test set 5670XL-SC	52022362	
Multimode fibreglass test set 5670XL-ST	52022363	
Scope of supply	Part No.	Page
Optical power meter 560XL	52022353	692
LED source to suit connection type		
SOC Adapter for every connection type		
Bag		

**Single mode fibreglass test set 5680XL**



Single mode fibreglass test set for wavelengths of 1310/1550 nm. For determining losses in fiber optic cables

**Characteristics**

- For 1310/1550 nm wavelengths
- Plug for FC, ST or SC
- Solid housing
- Light source with fixed connection
- Measurement of insertion loss with single mode cabling

Item	Part No.	
Single mode fibreglass test set 5680XL - FC	52022365	
Single mode fibreglass test set 5680XL - SC	52022366	
Single mode fibreglass test set 5680XL - ST	52022367	
Scope of supply	Part No.	Page
Optical power meter 560XL	52022353	692
Laser source for each connection type		
SOC Adapter for every connection type		
Bag		



**Single/multimode fibreglass test set 5890XL**



Single and multimode fibreglass test set for wavelengths of 850/1300 nm and 1310/1550 nm. For determining losses in fiber optic cables

**Characteristics**

- For 850/1300 nm wavelengths
- For 1310/1550 nm wavelengths
- Plug for FC, ST or SC
- Solid housing
- Light sources with fixed connection
- Measurement of insertion loss with single and multimode cabling

Item	Part No.	
Single/multimode fibreglass test set 5890XL - FC	52022368	
Single/multimode fibreglass test set 5890XL - SC	52022369	
Single/multimode fibreglass test set 5890XL - ST	52022370	
Scope of supply	Part No.	Page
Optical power meter 560XL	52022353	692
Laser source for each connection type		
LED source to suit connection type		
SOC Adapter for every connection type		
Bag		





### Optical power meter 560XL



For output measurement in fibreglass systems with single mode and multimode fibers

#### Characteristics

- Snap-on plug interface for adapting FC, SC and ST plugs
- Adjustable, automatic switch-off
- Robust and splash resistant
- Calibrated wavelengths: 850 nm, 1300 nm, 1310 nm and 1550 nm
- Output range from +3 dBm to -60 dBm.
- 0.01 dB resolution
- Powered by 2 AA batteries
- Loss measurement in dB
- Output measurement in dBm
- Universal SOC connection for numerous fibreglass adapters

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
Optical power meter 560XL	52022353



### 850/1300nm LED source 570XL



In conjunction with an optical power meter for measuring insertion and link loss in multimode cabling

#### Characteristics

- Fixed plug connection FC, SC or ST
- Adjustable, automatic switch-off
- Robust and splash resistant
- Wavelengths: 850/1300nm
- Powered by two AA batteries
- Reliable, calibrated output
- Constant or modulated light wave

Item	Part No.
850/1300nm LED source 570XL-FC	52022355
850/1300nm LED source 570XL-SC	52022356
850/1300nm LED source 570XL-ST	52022357

■ **1310/1550nm Laser source 580XL**



In conjunction with an optical power meter for measuring insertion and link loss in single mode cabling

**Characteristics**

- Fixed plug connection FC, SC or ST
- Adjustable, automatic switch-off
- Robust and splash resistant
- Wavelengths: 1310/1550 nm
- Powered by two AA batteries
- Reliable, calibrated output
- Constant or modulated light wave



Item	Part No.
1310/1550nm Laser source 580XL-FC	52022358
1310/1550nm Laser source 580XL-SC	52022359
1310/1550nm Laser source 580XL-ST	52022360

■ **Expanded optical power meter 522B**

For measuring insertion and link loss in conjunction with an external light source

- 1000 measurement storage capacity
- Universal SOC connection for numerous fibreglass adapters
- Measuring range from +3 dBm to -75 dBm.

**Characteristics**

- 850 nm , 980 nm, 1310 nm, 1480 nm and 1625 nm calibration wavelengths
- PASS/FAIL test with acoustic signal
- Indium Gallium Arsenide (InGaAs) photo detector
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- Manual or time-controlled data acquisition for intervals of between one second and one hour
- RS232 Interface for device configuration and data transfer to a PC or serial printer
- Powered by a nickel-metal hydride (NiMH) battery pack or four alkali batteries



**Order info**

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
Expanded optical power meter 522B	50605485





### Expanded optical power meter 522B-HP

For measuring insertion and link loss in conjunction with an external light source

- 1000 measurement storage capacity
- Universal SOC connection for numerous fibreglass adapters
- Measuring range from +27 dBm to -53 dBm.

#### Characteristics

- 980 nm, 1310 nm, 1480 nm and 1625 nm calibration wavelengths
- PASS/FAIL test with acoustic signal
- Indium Gallium Arsenide (InGaAs) photo detector
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- Manual or time-controlled data acquisition for intervals of between one second and one hour
- 1000 measurement storage capacity
- RS232 Interface for device configuration and data transfer to a PC or serial printer
- Powered by a nickel-metal hydride (NiMH) battery pack or four alkali batteries

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
Expanded optical power meter 522B-HP	50605492



### InGaAs optical power meter 555B

Suitable for output measurement in conjunction with LED and laser sources in single mode or multimode systems

- Universal SOC connection for numerous fibreglass adapters

#### Characteristics

- Multi-wavelengths reference saves and calls up reference outputs for faster and more efficient measurements
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- 850 nm, 1300 nm, 1310 nm and 1550 nm calibration wavelengths
- Indium Gallium Arsenide (InGaAs) photo detector
- +3 to -60 dBm measuring range
- 0.01 dB measuring resolution
- Relative logarithmic dB and absolute logarithmic dBm units
- Selectable automatic switching function
- Powered by two AA batteries

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
InGaAs optical power meter 555B	50605676

### ■ Silicone optical power meter 575B

Optimised for output measurement in fibreglass systems with multimode and plastic fibers

- Universal SOC connection for numerous fibreglass adapters

#### Characteristics

- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- 635 nm, 780 nm and 850 nm calibration wavelengths
- 3 x 3.5 mm silicone detector
- +3 to -60 dBm measuring range
- 0.01 dB measuring resolution
- Relative logarithmic dB and absolute logarithmic dBm units
- Selectable automatic switching function
- Simple to operate; 3 keys for all important functions
- Multi-wavelengths reference saves and calls up reference outputs for faster and more efficient measurements
- Powered by two AA batteries

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
Silicone optical power meter 575B	50605539



### ■ High intensity InGaAs optical power meter 558B

Suitable for output measurement in high-power single mode and DWDM fibreglass systems

- Universal SOC connection for numerous fibreglass adapters

#### Characteristics

- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- 980 nm, 1310 nm and 1550 nm calibration wavelengths
- +25 to -30 dBm measuring range at 1310/1550 nm
- 0.01 dB measuring resolution
- Relative logarithmic dB and absolute logarithmic dBm units
- Selectable automatic switching function
- Simple to operate; 3 keys for all important functions
- Multi-wavelengths reference saves and calls up reference outputs for faster and more efficient measurements
- Powered by two AA batteries

#### Order info

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
High Intensity InGaAs optical power meter 558B	50605683





**850/1300 nm LED source 252B**

For measuring insertion and link loss in local networks with multimode fibers

- Universal SOC connection for numerous fibreglass adapters

**Characteristics**

- Simple to operate; 3 keys for all important functions
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- On unit combines 850 and 1300 nm calibration wavelengths
- The nominal output value for 62.5/125 fibres is -13 dBm for 850 nm and -20 dBm for 1300 nm
- Constant and modulated light wave
- Selectable automatic switching function
- Reliable, calibrated output
- Powered by two AA batteries

**Order info**

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
850/1300 nm LED source 252B	50605300



**650nm LED source 253B**

For measuring insertion and link loss in plastic fibers in conjunction with an optical power meter

- Universal SOC connection for numerous fibreglass adapters

**Characteristics**

- Simple to operate; 3 keys for all important functions
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- Nominal output value at 200/230 is -15 dBm
- Constant or modulated light wave
- Selectable automatic switching function
- Reliable, calibrated output
- Powered by two AA batteries

**Order info**

- Supplied without adapter, the adapter can be found on page 700

Item	Part No.
650nm LED source 253B	50605317

**1310/1550nm laser source 262A**

In combination with an optical power meter for measuring insertion and link loss, particularly with single mode fibers

- Universal UCI connection for numerous fibreglass adapters

**Characteristics**

- Reliable, calibrated output
- Simple to operate; 3 keys for all important functions
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- One unit toggles between wavelengths of 1310 nm and 1550 nm
- Fabry-Perot laser diodes
- The calibrated output rating is a nominal -7.0 dBm
- Constant or modulated light wave
- Selectable automatic switching function
- One output for two wavelengths to simplify the measurement
- Powered by two AA batteries

**Order info**

- Supplied without adapter, the adapter can be found on page 701

Item	Part No.
1310/1550nm laser source 262A	50605645



**1310nm laser source 265A**

In combination with an optical power meter for measuring insertion and link loss, particularly with single mode fibers

- Universal UCI connection for numerous fibreglass adapters

**Characteristics**

- Simple to operate; 2 keys for all important functions
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- 1310 nm wavelength and -7 dBm output for measuring single mode fibers
- Constant or modulated light wave
- Selectable automatic switching function
- Reliable, calibrated output
- Powered by two AA batteries

**Order info**

- Supplied without adapter, the adapter can be found on page 701

Item	Part No.
1310nm laser source 265A	50605652





### ■ 1550nm laser source 266A

In combination with an optical power meter for measuring insertion and link loss, particularly with single mode fibers

- Universal UCI connection for numerous fibreglass adapters

#### Characteristics

- Simple to operate; 2 keys for all important functions
- Rubber surround protects the device if knocked or dropped
- Solid and splash resistant housing
- 1550 nm wavelength and -7 dBm output for measuring single mode fibers
- Constant or modulated light wave
- Selectable automatic switching function
- Reliable, calibrated output
- Powered by two AA batteries

#### Order info

- Supplied without adapter, the adapter can be found on page 701

Item	Part No.
1550nm laser source 266A	50605447



### ■ Visual fault finder 170XL

The visual fault localiser 170XL is used to detect micro breaks in single mode and multimode fibreglass cables

#### Characteristics

- Detection of fibre breaks up to a distance of 3 km
- Flash function for easier localisation
- Easy to use plug connection for all 2.5 mm FC, SC or ST plugs
- Compact, splash resistant aluminium housing
- Constant wave output rating
- Integrated dust proof cap
- Belt pouch made from nylon
- Ultralight, visible 635 nm laser

Item	Part No.
Visual fault finder 170XL	52022371

■ **MicrOTDR™ Optical fault detector**

The MicrOTDR™ offers fast, simple and precise detection of loss points/fault locations in multimode and single mode fibreglass cables and detects their length

**Characteristics**

- Detects the distance to 7 loss points/fault locations
- Distance measurement accuracy to +/- 2 metres
- For single mode and multimode fibers
- Tests fibreglass coils for length and fault locations
- For repairing faults in existing fibre optic cables
- Can make over 13,000 tests with four AA batteries
- The minimum measuring length is 30 metres
- ST connection
- Measurable cable length: up to 20 km



Item	Part No.
MicrOTDR™ Optical fault detector	50476633

■ **SensoLITE® light sensor**

The SensoLITE® light sensor is a cost-effective device for identifying active multimode and single mode fibre optic cables

**Characteristics**

- Sensitivity range from +25 dBm to -55 dBm.
- Patented screen
- Automatic battery testing
- Detection of wavelengths from 630 nm to 1600 nm with a visual and acoustic indicator



Item	Part No.
SensoLITE® light sensor	50605669

■ **Hard-shell case 900B**

For storing Tempo hand instruments and test accessories

**Characteristics**

- The top part holds up to 3 hand instruments and a 170XL visual fault finder
- The bottom part of the case can accommodate additional instruments and test accessories














Item	Part No.
Hard-shell case 900B	50606840



### ■ Fibreglass adapter for measuring instruments





SOC Adapter

■ Compatible with PC and angled APC connections

Item	Description		Part No.
T1026	1.25 mm Quick-Connect universal adapter (LC, MU, etc.)		50605881
T1025	2.5 mm Quick-Connect universal adapter (E2000, FC, SC, ST, etc.)		50605874
T1001	Blank adapter (for existing applications)		50605850
T1010	DIN 47256		50605867
T10E2	E-2000		50605997
T1020	FC		50605768
10LC	LC		50606000
T1047	Mini BNC		50605911
T13A2	MT-RJ		50606055
T13AF	MT-RJ, ferrule only		50606062
T1062	SC		50605751
T1087	SMA 905/906		50605966
T1030	ST		50605775

■ **Fibreglass adapter for the measuring instruments**

UCI Adapter

Item	Description		Part No.
AU-250	2.5 mm Quick-Connect universal adapter (E2000, FC, SC, ST, etc.)		<b>50607038</b>
AD-108	DIN 47256		<b>50606970</b>
AE2-10	E-2000		<b>50606987</b>
APC-108	FC		<b>50605720</b>
ASC-108	SC		<b>50605744</b>
ASM-90	SMA 905/906		<b>50607021</b>
ATS-108	ST		<b>50605737</b>

■ **Adapter tool 90SOC**

**Characteristics**

- Tool for the simple fitting and removal of SOC adapters

Item	Part No.
Adapter tool 90SOC	<b>50606871</b>

