

Copper Cable Testers



Test-Um Inc.
The Intelligent Test Solutions Company

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Greenlee NETcat Micro



Netcat Micro **NC-100**
EP200 tone Probe **50086715**

The NETcat Micro was designed specifically for network installers. This pair tester can test UTP/STP and coax cables and features Full TIA/EIA wiremap test including split pairs for TP cables. Additional features include built in toner generator with three selectable tones, and voltage detection. The NETcat Micro has RJ45, RJ12 & F-Type female interfaces for connection to data & voice cable and any coaxial cable.

Mini5 RJ45 Tester



NEW

Cable Tester **MT1045J**
Spare battery **2CR13N**

Entry level RJ45 continuity tester suitable for CAT5e/CAT6 UTP & STP cabling. Built in removeable remote unit. Tests by using 5 LED's, one for each pair and one for ground. Tests cross wiring/miss wiring/short wiring & open wiring.

Mini5 RJ45/BNC Tester



Mini5 RJ45/BNC tester **MT1045N**

Low cost 2 part RJ45 continuity test set with LED indicators for both main & remote unit. Simple one button testing.

Greenlee NETcat Pro



NETCat Pro **NC-500**
Accessory Kit **NC-510**
EP200 Tone Probe **50086715**

Building on the inovative feature set of the NETcat Micro, the NETcat Pro takes you to the next level. The graphical touchscreen makes the Pro easy to use in any lighting conditions. Test features includes a full TIA/EIA wiremap including split, short, open, reversed, crossed and split pairs, and also features a pulsed TDR for accurate length measurements on each pair. Max TDR distance is 2000ft (660Mtrs). Additional features include a tone generator with four selectable tones, active network indentification on 10/100 Base-T networks, Includes one active remote. RJ45 and F-Type interfaces. Options: Accessory pack includes a soft carry case, and seven digital remotes which allows the identification and testing of eight cables from one location saving a considerable amount of testing time

Mini5 RJ45/BNC/USB Tester



Mini5 RJ45/BNC tester **MT1045USB**

This 3in1 continuity tester can be used on twisted pair, co-ax & USB cables. LED indication and one button operation.

Test-Um Validator Speed Certifier



Validator **NT-950**

Designed for speed certification, the Validator uses a unique method to test and certify cable to Gigabit speeds. By running a real time Bit Error Rate Test (BERT) the Validator can measure the quality of the signal through the cable against set criteria on cable data carrying capability in real time. Distance to shorts and opens are done using advanced TDR technology. The Validator has test ports for STP/UTP RJ45 , telephone RJ11 also test Co-ax. Also fitted with Banana jacks can be used with security, speaker wire etc. Kit comes complete with PLAN-Um software test leads & battery packs.

Test-Um Validator NT



NEW

Validator NT **NT-955**

The Validator NT has the same cable testing suite as the NT-950 but includes additional network manager designed capabilities. Included in the NT-955 additional features are Port discovery services, Ethernet, POTS, ISDN, Token Ring etc. Checks IP addresses on netmasks, Gateways/routers and DNS. Access DHCP hosts to obtain network Complete with batteries/chargers PLAN-Um software and 8 remotes.



Noyes Fiber systems are now part of the AFL telecommunications group who are a major supplies of fibre optic products in the telecommunication industry.

New products include the revolutionary M200 series OTDRs and the introduction of Wave ID on the MLP optical test kits. Wave ID allows auto dual wavelength testing without disconnecting the test leads which makes testing quicker and simpler.

M200 Handheld OTDR



Single & multimode	M200-K-QUAD
Multimode 850/1300nm	M200-K-MM
Singlemode 1310/1550nm	M200-K-SM

The new Noyes M200 OTDR is the world's first handheld, singlemode and multimode, four-wavelength Optical Time Domain Reflectometer with integrated VFL (visual fault locator). Using "PDA" technology the M200 reaches a new level of value and portability. By combining a simple user interface with the features of a mini-OTDR in a "micro" package, the M200 is ideal for premises network Tier 2 fiber link certification and fault-location measurements including: connection loss and reflectance, splice loss, and fiber loss slope (attenuation rate).

Both the multimode and singlemode OTDR ports are equipped with tool-free, switchable adapter mounts. ST, SC, and FC adapters are provided. The VFL port is equipped with a universal adapter that accepts any standard 2.5 mm connector. Features:

- Hand-held size and < 2.7 lb (1.2 kg)
- 850/1300/1310/1550 nm
- Integrated Visual Fault Locator (650 nm)
- Tool-free, switchable adapters (ST/SC/FC)
- Bellcore (GR-196) file format
- Compact Flash™ memory card
- PC software for trace analysis and printing
- Active-matrix color display.

Optical Loss Test Kits



850nm test set	MLP1-15
Basic test set for LAN testing, includes 850nm 660nm LED source and ST Adaptor	
850/1300nm test set	MLP1-2
Basic test set for LAN testing, includes 850nm/1300nm LED source and ST Adaptor	

Optical Loss Test Kits



Reference Kit Wave ID	MLP4-2
Reference set power meter with wave ID with 850nm & 1300nm LED multimode source complete with SC Adaptor.	

Optical Loss Test Kits



Save & Print Test set	MLP5-2B
High specification reference power meter	

which can save 250 test results per wavelength for later uploading to a PC.

Kit includes software and PC cable and a 850nm & 1300nm multimode LED source

Adaptor caps	
ST	8800-00-0202
SC	8800-00-0209
2.5mm	8800-00-0214
LC	8800-00-0225
MTRJ	8800-00-0231

Various adaptor caps for Noyes optical power meters. Sold individually.

Turbotest 400



Turbo Test 400 MM	T410
Turbo Test 400 SM	T420

The Turbotest Series certifies cables to network standards. Bi-directional testing on two cores at both wavelengths speeds the testing routines up and allows length & loss measurements to be saved for later uploading to a PC via the supplied software. Available in either single or multimode versions.

Singlemode sources



1310/1550nm SM Source	OLS-2-DUAL
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The new Noyes laser source features dual wavelength testing using one output port. When used with a Noyes OPM with wave ID the units will automatically test the link at both wavelengths. SC port.

Pulse Suppressors



150Mtrs OM2	FR1-M5
150mtrs OM1	FR1-M6
150mtrs OS1	FR1-SM

Fibre launch rings for use with OTDR's for accurate loss measurement. Available in SC & ST versions for multimode & ST,SC & FC for singlemode.



For over 100 years, Megger has been the premier provider of test equipment and measuring instruments for electrical power applications worldwide. Megger have now launched the innovative SCT range of LAN testers.



New for 2009 is the Megger SCT range of cost effective Category 5e/6/6a and 7 cable testers. Benefits of SCT ownership including its low initial and operating costs, ease of use, intuitive user interface and powerful time saving diagnostics, all help to make the SCT range the best return on your investment. Two models are available, the SCT1500 and the SCT2000.

SCT1500: This is the entry level Category 5e and 6 cable tester. Similar feature set as the SCT2000 but certifies to Category 5e and 6 only. The SCT1500 certifies twisted pair to approved ISO and TIA standards, including ISO Class E on TIA Cat 6 1 to 350 MHz. Meets Level III and proposed Level IV accuracy requirements.

SCT2000: This is the full 1000MHz cable scanner, adding Category 6a and 7* into its testing suite.

SPECIFICATIONS

- The SCT Series certifies twisted pair to all approved ISO and TIA standards, including ISO Class F.
- * The SCT2000's frequency range of 1 to 1000 Mhz (1Ghz) exceeds ISO Class F by 400 Mhz and meets proposed TIA Category 6a requirements. Meets Level III and proposed Level IV accuracy requirements.
- The SCT1500 certifies twisted pair to approved ISO and TIA standards, including ISO Class E on TIA Cat 6 of 1 to 350 MHz. Meets Level III and proposed Level IV accuracy requirements.
- Powerful link diagnostic results displayed in multiple formats to speed link fault correction. Diagnostic TD NEXT and TD Return Loss results are displayed in summary form quickly identifying distance to the greatest disturbance, detailed form showing each pair's diagnostic result for quickly identifying distance to component disturbances or graphical showing all disturbances on all pairs for visual link diagnostic

Note: The SCT range does not measure Alien cross talk.



FIBRE OPTION

Optional fibre optic kits are available in multimode and singlemode versions.

Features and Benefits

- Provides fully compliant Tier 1 fibre optic testing and reporting using Megger LCMD software.
- When testing dual fibres, the SCT Autotest performs a length measurement and measures each fibre at two wavelengths resulting in four loss measurements.
- Performs bi-directional testing on two fibres at two wavelengths without the need to exchange the Primary and Secondary units at the end of the fibre optic link.
- Dual media projects store all necessary copper and fibre optic certification parameters in one project eliminating the need for the user to modify certification parameters when switching from copper to fibre, or moving from one site to another.
- Powerful capability and features including length measurement, two-fibre, dual-wavelength loss measurements, single and bi-directional fibre measurements, power meter mode, light source mode, Fibrer-Map and visual fault locator (VFL) capability.
- Integrated VFL is ideal for locating fibre optic trouble spots in jumper cables, distribution frames, splice strays, patch panels, cable splice points and for tracing fibre.

SCT testers are supplied with the following accessories:

- Cat 6 Permanent Link adapters (2)
- Cat 6 Channel adapters (2)
- Memory card compact flash - 32Mb
- Memory card multi-media - 32Mb
- Battery packs (installed) (2)
- Headsets (2)
- Mains battery charger/power supply (2)
- (1) LCMD Software CD
- (1) User Manual
- (1) Soft carry case

Please call sales office to arrange a demonstration.



SCT-1500 Cat5e/6 Tester	SCT1500
SCT-2000 Cat6a/7 tester	SCT2000
CAT6 P/Link Adaptor	6331-826
CAT6 Channel Adaptor	6331-827
CAT7 P/Link Adaptor	6331-830
CAT7 Channel Adaptor	6331-828
MM Fibre Modules	6111-766
SM Fibre Modules	6111-765



In 1999, Agilent was spun off from Hewlett-Packard, and have continued to produce innovative test equipment for the LAN market. Agilent Technologies Inc. is the world's premier measurement company and a technology leader in communications, electronics, life sciences and chemical analysis. The company's 20,000 employees serve customers in more than 110 countries. Agilent had net revenues of \$5.4 billion in 2007.

The New WireScope Pro is optimized for testing efficiency: industry-leading measurement speed boosts the test throughput. New Fiber SmartProbes cut test times of optical links by eliminating the need to swap fibers for dual wavelength testing and calibration. Agilent's newly developed Alien Crosstalk (AXT) test solution provides superior AXT measurement performance by employing a new, extremely fast and cost-efficient methodology. The new simultaneous measurement method shortens test times from hours to minutes.

Features:

- Rocket-fast Cat 6A and Class F Autotest measurement time of sub 9 seconds
- Future-proof 1...1000 MHz range and software upgradeability
- Cat 3 to 6A/ Class C to E, EA and F copper cable certification
- Test across AC coupled PoE midspan devices
- Multimode and single mode fiber certification for length and loss
- Future-proof through 1...1000 MHz frequency range and software upgradeability
- Optional N2648A Alien Crosstalk Stimulator Kits certify copper links for 10GBASE-T in minutes
- Alien Crosstalk measurement to enable 10GBASE-T
- Real-time spectral analysis of External (Ambient) Noise to characterize cables in a live network
- User friendly with vendor managed cable database, pre-defined settings and a full workday of battery life
- Automatic detection of remote connection improves operator efficiency
- Supports Autotest and continuous measurement
- Talkset for easy communication between operators
- Export test reports into PDF and XML formats
- LAN Cabling Certification
- TIA Categories 3/5e/5/6/6A
- ISO/IEC Classes C, D, E, EA, F
- Alien Crosstalk measurement to certify copper lines for 10GBASE-T
- Industry Approvals
- Complies with IEC/ISO Level IV and TIA/EIA Level IIIe accuracy specifications, certified by ETL
- Complies with IEC/ISO Level IV accuracy specifications, certified by ETL
- Easy to learn user interface consistent with previous generation



Upgrade the WireScope Pro into a powerful network analyser

Network Professional Test Options

The Network Professional test option add another level to the WireScope Pro's advanced testing suite.

The base licence activates the Autodiscovery function for network stations and servers, Autotest, ping, trace route, traffic statistics, and basic SNMP queries like Locate Switch Port.

License option N2640A-011 activates traffic generation up to Gigabit line rate, suitable to stress-test Ethernet links, and to validate the traffic steering capabilities of the network infrastructure.

License option N2640A-030 activates the VoIP test function. The test delivers MOS value and R-factor of SIP based VoIP services, according to ITU-T G.107.

Both options N2640A-030 and N2640-011 require that network test option N2640A-010 be installed on the instrument. Software Licenses are serial-number specific.



Professional network test Options

Pro Network Licence	N2640A-010
Traffic Generator	N2640A-011
VoIP Testing	N2640A-30

Wirescope test Kits

Wirescope Pro for Cat5e, Cat6, Cat6a & Cat7 **N2640A-200**

Wirescope Pro for Cat5e & Cat6 **N2640A-100**

Fibre Test Modules

Multimode Smartprobe Kit **N2647MM**

Singlemode Smartprobe Kit **N2647SM**

Link Adaptors Sold in Pairs

Cat6a Universal Link probes **N2644A-101**

Cat6a Universal Channel probes **N2644A-100**

GG45 Cat7 Link Adaptor **N2644A-106**

Upgrades

Upgrade from N2640A-100 to N2640A-200 version **N2643A-100**

Alien Cross Talk Kits

1 Pair Stimulator Kit **N2648A-100**

3 Pair Stimulator Kit **N2648A-150**

6 Pair Stimulator Kit **N2648A-200**

Care Packages

2 year Extended Warranty
Must be ordered at time of WSPRO purchase **R-51B-001-3C**

1 Year care Plan Includes Annual Calibration & any service required.
Exc Consumables **CARE-3**



Visual fault Finder



Laser Fault Locator **170XL**

Fast and easy fault location in fibre patch cables, pigtails and splices.
High 1.0mW output at 635nm in either continuous or modulated mode.
2.5mm quick interface can be used with ST, SC & FC connectors.
The 170XL features a rugged and splash proof aluminium design and can provide 48 hours of continuous operation from two AA batteries. Supplied with belt holster.

Optical Power Meter



Greenlee OPM **560XL**
SC/PC SOC Adaptor **60575**
FC/PC SOC Adaptor **60576**
ST/PC SOC Adaptor **60577**

High performance with ease of use makes this the ideal OPM for fibre engineers. Features a 0.01dB resolution and uses the high precision SOC adaptor system. Multi-wavelength storage of reference power levels makes for faster and more efficient link measurements.
Two AA batteries provide upto 100 hours of operation. Rugged and splashproof design makes this the ideal optical testing power meter for single & multimode .

The new Greenlee XL fiber Tools are designed for fibre technician and installers who require accurate test with the robustness required for on-site testing.
Each power source and power meter feature a protective rubber boot and is splashproof. Long battery life and ease of use are just a few of the many features offered by the XL fiberTOOL range. Limited lifetime warranty.

Multimode Light sources



MM Source SC interface **570XL-SC**
MM Source ST interface **570XL-ST**
MM Source FC **570XL-FC**

The 570XL multimode sources features dual 850nm and 1300nm stable calibrated outputs with continuous wave and modulated wave outputs.
Fixed connector interface available in either SC, ST or FC versions.
Long 80 hour battery life from two AA batteries. Rugged and splash-proof design

Singlemode Light sources



SM Light Source ST **580XL-ST**
SM Light Source SC **580XL-SC**
SM Light Source FC **580XL-FC**

High specification singlemode sources with dual wavelength single port output. Featuring a high stability 1310/1550nm output with a narrow <5nm spectral width makes the 580XL the ideal singlemode light source.
Connector interface available in either SC, ST or FC versions.
Long 80 hour battery life from two AA batteries. Rugged and splash-proof design

Multimode & Singlemode Test Kits



Multimode Test Kits

MM test kit SC interface **5670-SC**
MM test kit ST interface **5670-ST**
MM test kit FC interface **5670-FC**

These kits include a 560XL OPM and the 570XL multimode light source which can be used for 850/1300nm loss measurements.

All kits come complete with a soft carry case batteries, OPM adaptor to suit and instruction manuals.

Singlemode Test Kits

SM test kit SC interface **5680-SC**
SM test kit ST interface **5680-ST**
SM test kit FC interface **5680-FC**

Kit includes a 560XL OPM and the 580XL singlemode laser source and can be used for 1310/1550nm loss measurements.
All kits come complete with a soft carry case batteries, OPM adaptor to suit and instruction manuals.

Combo SM & MM test Kits



Combo test kit ST interface **5890XL-ST**
Combo test kit SC interface **5890XL-SC**
Combo test kit FC interface **5890XL-FC**

Kit includes the 560XL OPM, the 570XL multimode & 580XL singlemode sources. Complete kit for fibre testing and supplied with OPM Adaptor, batteries, manuals and soft carry case.



Tempo is owned by Textron, the global conglomerate which has sales in excess of US\$13 billion. Tempo is the group name for Textron's datacom and telecoms division, comprising of some of the most respected names in the industry. The group includes, Chesivale Electronics, Datacom Technologies, Greenlee, Progressive Electronics, and the Rifocs Corporation.

Harrier ISDN Tester



Harrier ISDN Tester **NGHP**

This stand alone or PC linked ISDN tester offers high functionality with ease of use.

Kit include:

- Passive Monitor Option
- Network Simulation Option
- S-Bus Line Test Option
- PC Software CD
- UK PSU, adaptor Leads & carry bag

Compact DSP Test Set



DSP Test Set **M0452-00**

Hands free Headset **M0459-20**

Compact telephone test set with digital services protection and audible alarm alert for when line voltages exceed 75VDC. Supplied with battery and crocodile clips.

Compact DSP Line cords

BT 432a Plug **M0459-01**

RJ11 Plug **M0459-02**

Croc Clips **M0459-00**

EP200 Tone Probe



M0501-00

High sensitivity and a powerful speaker makes this the ideal probe for use with any tone generator.

DigAlert Test set



DigAlert 361 **M0400-01**

DigAlert Probe **M0502-00**

Hands free Headset **M0459-20**

The DigAlert system is probably the most advanced telephone test set available. All DigAlert units are IP65 rated protecting the units against water, dust, temperature and impact. Supplied fitted with BT432a plug.

Butt Set 4mm Adaptors

3B with BT Plug **M0009-01**

4A 2pole Krone Plg **M0009-02**

RJ11 Plug **M0009-03**

CATV Cable Tone Kit



CATV Tone Kit **M0592-00**

The 402K kit is specifically designed for the CATV installer. You can now tone through splitters, directional couplers and traps. Compete with F-Type leads and croc clip leads.

Security & Alarm Kit



620K S&A kit **M0562-05**

Designed for use on alarms and security systems. Features include latching and non latching modes for the connection to open and closed loop pairs. Includes tone function with croc clips or a 8 position plug. Includes carry case.

Tone Kits



PTS Toner Kit RJ11Plug **MT0113-00**

PTS Toner Kit BT Plug **MT0114-00**

General purpose tone probe and tone generator kit complete with plug & crocodile clips.

AT8K Tone Kit



AT8K Adaptor Kit **M0563-05**

High specification including tone signal, continuity testing, talk battery supply and polarity confirmation. Break out design allows testing of any pair combination. Kit includes probe, generator & case

LANToner Kit



LANToner Kit **M0637-00**

LanToner Generator only **M0640-00**

As per the AT8K tone kit but with the added functionality of detecting and blinking hubs, switch ports and PC activity lights for easy link identification. Can be used on any cabling, including datacoms, CATV, security and audio. The LANToner generator can be purchased separately to add to your existing tone probe.



Micro MM OTDR	33-960-1
Micro QUAD OTDR	33-960-3
Video Scope	33-962-1
Tier 2 option	33-962-5

Micro OTDR

Designed for installers, the "Ideal" Micro OTDR series is available in either multimode only (850nm/1300nm) or in Quad 850/1300/1310/1550nm versions. Both models combine high measurement precision with the user friendliness of one button operation resulting in accurate characterisation of connectors and splices in addition to fast and reliable fault location.

With the Tier 2 option, these OTDR's provide clear PASS/FAIL indications, distance, loss and ORL for each event is reported in a trace summary table making full certification of each link possible.

Features:

- Short Attenuation and Event Dead zone
 - One button Autotest
 - Two wavelength "autotest" function with automatic adjustment of test parameters
 - Fast data Acquisition
 - Interchangeable adaptors
 - Real-time mode for troubleshooting. Useful when trying to identify intermittent problems.
 - USB Port
- Each OTDR is shipped in a kit containing a rugged hard case, PC software, Li-Ion rechargeable batteries, and a wall charger.
 Multimode unit supplied with SC adaptor
 Quad unit supplied with SC & FC adaptor
 Additional adaptor styles are available

Options:

- Certifying ORDR Option Tier 2 certification, and macro bend detection for singlemode.
- Each OTDR is probe ready, the optional Probe offers 200x & 400x magnification to deliver crystal clear images of connector faces. The OTDR can also store images from the probe for later downloading and documentation if required.



SecuriTEST **33-892**

SecuriTEST CCTV Tester

The "Ideal" SecuriTEST PRO was designed with the CCTV installer in mind. By combining seven essential tools into one unit, IDEAL have made this an essential tool for CCTV installers.

Features include

- 6.3cm (2.5") Colour Display
 - PTZ Ccamera controller
 - UTP cable tester
 - Video
 - PTZ protocol analyser and Camera programmer.
 - Kit comes complete chargers, 12V auto charger, Carry case
- CCTV Video Tester
 - Digital Multimeter
 - Video test pattern generator



Signal TEST copper Only	33-975
Signal TEST FO ready	33-987
SFP 850nm (Pair)	SFP-850
SFP13X0nm (Pair)	SFP-13X0

SignalTEK Gigabit Certifier

The base "Ideal" SignalTEK units is a BERT tester for verifying Gigabit capabilities across copper cable links. By actually transmitting 10/100/1000Mbps Ethernet packets, the SignalTEK can determine the quality of the link under test against the IEEE 802.3ab Gigabit Ethernet standard.

Two versions of the SignalTEK are available, the SIGNALTEK Copper only & SIGNALTEK FO which adds the ability to test fibre links to Gigabit. To the SIGNALTEK FO fibre SFP modules can be added to enable the gigabit fibre test routines.

Features:

- Full IEEE 802.3ab compliant Gigabit Ethernet testing
- BERT testing for VoIP, data, and video-over-IP applications
- Supports DHCP and IP Ping
- Comprehensive wire-mapping capabilities including TDR
- Customisable test reports, Intuitive graphical user interface
- Expandable data storage
- Full IEEE 802.3ab compliant Gigabit Ethernet testing on copper and fibre
- Multimedia Gigabit Qualification - multimode and singlemode capability
- Available in 850nm and 1300nm wavelength configurations
- Measure cable attenuation with a dynamic range of up to 20db
- Interchangeable Small form-Factor Pluggable port with duplex LC connector for fibre-optic testing
- Storage and Reporting for Thousands of Reports - store and print reports for copper and fibre jobs using internal memory or USB "thumb-drives".