

Test Equipment Depot - 800.517.8431 - 99 Washington Street Melrose, MA 02176 - TestEquipmentDepot.com



Data Cable & Ethernet Testers & Certifiers

COPPER Installation

VDV II

The new VDV II Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

Employing state-of-the-art technology, VDV II offers functionality not previously available in a wiremapper. The advanced wiremap engine accurately displays complex wiring faults instantaneously while TDR (Time Domain Reflectometry) aids troubleshooting and improves on-site productivity.



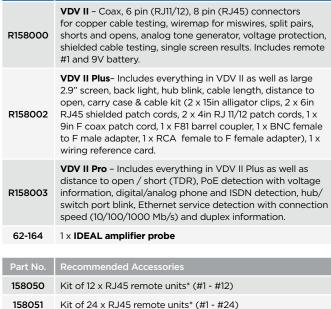
FEATURES & BENEFITS

- RJ45, RJ11/RJ12 and coax ports
- TDR technology pinpoints cable faults eliminating unnecessary guess work
- PoE service detection with voltage information
- Ethernet speed detection up to 1000 Mb/s
- Ability to identify and trace cables with a compatible inductive tone probe (optional)
- Support for all common LAN cables (TIA 568A/B

wiring schemes)

- Large backlit screen provides instantaneous, easy to read test results
- Identifies analog (PBX) and digital (ISDN) telephone services
- Displays network rate and duplex information
- Ability to identify a cable on an active network by blinking the switch's link LED
- Protected from high voltage damage

Part No. Kit Contents



* Separate numbered remotes allow multiple cables to be tested more quickly

158053 Kit of 12 x coax remote units* (#1 - #12)

SignalTEK[®] CT

SignalTEK CT allows cable installers to generate PDF test reports that prove installed links provide error-free performance at Gigabit speeds using real Ethernet data for absolute certainty.

Data transmission testing is a cost-effective way to prove LAN cabling is installed correctly and is capable of supporting Ethernet applications. By proving real world performance, SignalTEK CT confirms a professional job providing peace of mind and minimizing call-backs.

SignalTEKCTalsogives network owners the assurance that installed cabling will support bandwidth hungry services like VoIP, IP CCTV and video streaming.

Use the free IDEAL AnyWARE[™] app to view and send data cable/network test reports to colleagues and clients anywhere.

FEATURES & BENEFITS

- Fast Autotest provides proof of 1000Base-T network performance in seconds
- USB port enables rapid transfer of PDF and CSV (Excel) test results to flash drive
- Supports shielded and unshielded twisted pair cable including Cat 5e, Cat 6. Cat 6A and Cat 7
- Stores up to 5,000 tests in separate folders to accommodate even the largest jobs
- Identify and trace cables with a compatible amplifier probe (62-164)

- Tests against IEEE 802.3ab gigabit Ethernet standard to assure cabling performs to a recognized international standard
- Field replaceable RJ45 contacts eliminate downtime from worn or damaged connectors
- No requirement for annual calibration reducing cost of ownership

COPPER Installation





Part No.	Kit Contents
R156004	SignalTEK CT - Data Cable Transmission Tester. Includes 1 x display, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP, 2 x power supply with EU/UK/US adapters, 1 x user manual, 1 x carry case

Part No.	Recommended Accessories
150058	10 replacement RJ45 inserts with extraction tool
151052	One alkaline battery module to allow operation with 4 AA batteries.
62-164	1 x IDEAL amplifier probe

Additional accessories listed on page 12.

NETWORK & CABLE Testing

SignalTEK[®]NT

SignalTEK NT tests the performance of voice, data, video and CCTV applications on 10/100/1000 Mb/s Ethernet networks issuing a report to prove installed data cables or networks can carry Ethernet traffic at full speed without packet errors.

SignalTEK NT utilizes a method known as transmission testing to prove the performance of a network by sending real Ethernet data frames through the cabling and/or network devices and comparing the received data with the transmitted data to determine the error rate. This method stress tests the network to generate reports of real world 1000Base-T performance to the IEEE 802.3ab gigabit Ethernet standard.

In addition to data transmission testing, when connected to an active network, SignalTEKNT also uses CDP and LLDP to display the MAC address

SignaTEKNT supports IDEAL AnyWARE™, a new mobile app that wirelessly connects SignalTEK with a mobile device to transfer test reports to the device. Once data is transferred, PDF and CSV reports can be viewed on the device and sent using email or Internet file sharing services supported by the device. Compatible with both iOS and Android devices.



- Gigabit performance testing on passive cabling and active networks
- Tests for compliance with the IEEE 802.3ab standard and generates PASS/ FAIL reports in PDF & CSV/Excel formats
- Simulates VoIP/CCTV/Web/ IP video network traffic
- Displays MAC address and port ID of connected switch with CDP/LLDP.
- Detect presence of PoE and measure voltage on each pair

- Advanced PoE/PoE+ load testing ensures the network can deliver at least 8/16 watts to PoE/PoE+ devices
- Full Gigabit bi-directional load testing through hubs and switches
- RJ45 and SFP fiber optic ports
- Simulate network traffic generated by new IP devices to confirm network capacity before adding new devices like VOIP or CCTV
- Verify connection speed up to 1000 Mb/s

 Ping and trace route tests verify LAN connectivity and Internet access on IPv4 and IPv6 networks

SignalTEK NT kit includes 1 x Near-End unit, fiber ready, 1

Additional content: 2 x Power module (rechargeable), 2 x Mains PSU/

charger, 2 x 12in/30cm RJ45 cable, 1 x Quick reference guide (English),

😤 SignalTEK NT

😪 SignalTEK NT

IPv4-192.168.1.8

E

- Disabled

Part No. Kit Contents

1 x User manual CD, 1 x Carrying case

Additional accessories listed on page 12.

x Remote unit fiber ready

R156003

Vex

1000M

100M

10M

Auto test

IDEAL AnyWARE

- Locate wiremap faults more guickly and accurately by testing every pin and pair, detecting split pairs and identifying the distance to fault
- Field replaceable RJ45 contacts eliminate downtime from worn or damaged connectors

LanTEK[®] III



The LanTEK III is an easy to use cable certifier that ensures network cabling installations meet standards performance from Cat 3 through Cat 7. Enhanced troubleshooting functions pinpoint the distance to NEXT and Return Loss issues to quickly locate hidden or faulty connections.

With the free IDEAL AnyWARE app, technicians at the jobsite can send test data from their phones to the office, to save time and travel costs.

FIBER Certification

FiberTEK® III



FiberTEK III provides fast and simple Tier-1 certification of single-mode and multimode fiber optic cabling including support for encircled flux testing. The simple graphical interface walks the user through the calibration and testing process reducing

mistakes and ensuring tests comply with the latest TIA standards including the new multimode encircled flux.

To pinpoint fiber cabling faults every FiberTEK III adapter includes a built-in visible light source to help you visually pinpoint faults and locate fiber ports.

FEATURES & BENEFITS

- Ultra-tough permanent link (PL) adapters withstand bends, kinks and other abuse without affecting performance.
- Locate hidden connections. splices and cable faults using Time Domain Return Loss (TDRL) and Time Domain Crosstalk (TDX).
- Reduce down time and lower maintenance costs with field replaceable RJ45 contacts.
- New data management software creates powerful client reports quickly and easily from multiple testers using one PC application.
- Wireless transfer of test results to mobile phones and tablets

Part No.	Kit Contents
R161001	LanTEK* III-500 MHz - certifier only with no test adapters
R161002	LanTEK* III-1000 MHz - certifier only with no test adapters
R161003	LanTEK* III-500 MHz - certifier with cat 6A PL adapters
R161004	LanTEK® III-1000 MHz - certifier with cat 6A PL adapters
R161050	Replacement RJ45 tips for permanent link adapters (pair)
R161051	Cat 6A RJ45 permanent link adapter - male plug (each)
R161052	Cat 5e/6 RJ45 channel adapter - female jack (each)
R161053	Cat 6A RJ45 channel adapter - female jack (each)

Additional accessories on page 12

1, 2 and 3 year care plans including calibration, repair, loaner tester and warranty extension are available. Visit www.idealnetworks.net for details.

FEATURES & BENEFITS

- Tier 1 certification with attenuation/insertion loss (dB) measurements of 2 fibers.
- Measures length of each fiber
- Encircled flux compliant when used with EF launch cords
- Includes SC, ST and FC adapters
- Certification from 10 Mb/s - 100 Gb/s for TIA/ISO/IEEE standards Reference grade test cords
- Built-in red laser visual fault finder at both ends of tester
- Active fiber detection to quickly identify polarity

Part No.	Kit Contents	
R164005	FiberTEK*III: Multimode (850/1300nm) kit SC test cords	
R164006	FiberTEK® III: Single-mode (1310/1550nm) kit with SC test cords	
R164007	FiberTEK®III: Combination MM/SM kit	
R164061	Multimode LC adapter set. 2 x transmit and 2 x receive.	
R164062	Single-mode LC adapter set. 2 x transmit and 2 x receive.	
R164050	MM encircled flux launch cord (SC- $\ensuremath{\text{SC}}$). Requires 2 with new tester	
R164051	MM encircled flux launch cord (SC-LC). Requires 2 with new tester	

FIBER Installation

VFF5

The Visual Fault Finder is a visible laser light source used to verify continuity, test and find breaks in fiber links, locate pinched fiber strands in enclosures, or anywhere fiber optic cables are terminated and subject to mechanical damage. The VFF5 is useful to a distance of approximately 5km (3.1mi) into multimode and single-mode fiber. Use it as a front-line troubleshooting tool, or in conjunction with an OTDR to pinpoint faults. Breaks will be seen as a glowing or blinking red lit area.

The VFF5 can also be used when terminating mechanical splices or crimp connectors where leaking light is an indicator of a poor fiber cleave or other misalignment.



FEATURES & BENEFITS

- Visual monitoring of fiber cable continuity
- Pinpoints breaks and crimps through light loss through the buffer
- Detect faulty splices
- Quick on-site checks of pre-terminated fiber cable assemblies

 Continuous and flashing signal modes

- Useful for single-mode and multimode fibers up to 5km (3 miles) length
- Non-roll design rugged metal housing protected by Santoprene[®] (rubber) non-slip sleeve

Part No. Kit Contents

VFF5 **VFF5** fiber optic cable continuity tester, fault finder/locator. Includes carry pouch, belt/bag clip and 2 x AA batteries.

135051 FC to LC adapter

FiberMASTER

FiberMASTER is a simple and easy to use tester for fast certification and troubleshooting of fiber optic cabling systems, providing optical power loss (dB) measurements meeting Tier 1 certification requirements.

FiberMASTER measures power (dBm/mW) received from any device which aids troubleshooting equipment that may not be operating properly. The dB calibration feature allows the operator to set a reference level to the light source and directly read the loss of fiber optic links for instant certification testing. The unique form factor allows the light source to be docked neatly within the power meter making the kit compact for easy storage while still allowing full operation.

FEATURES & BENEFITS

- Quickly measures cabling loss (dB) with calibration feature
- Measures fiber optic power for troubleshooting
- Power meter: universal 2.5mm
 slip-fit/FC connectors
- Light source: interchangeable SC/ST/FC connectors
- Multimode and singlemode options
- Power meter features 850, 1300, 1310, 1490 and 1550 nm measurements
- Absolute power measurement in dBm and mW, power loss display in dB

- Auto Power Off
- Multimode kit: 850/1300
 nm light source
- Multimode/single-mode kit: 850/1300/1310/1550 nm light source
- Light source docks in the bottom of the power meter for easy storage
- Operates on AAA batteries,
 3 each for power meter
 and light source
- Low battery indication
- Includes padded carry pouch

FIBER Installation



Part No.	Kit Contents
33-928	FiberMASTER - MM/SM power meter with 850nm MM only light source. Includes soft case, manual and cable kit.
33-931	FiberMASTER - MM/SM fiber optic test kit with quad wavelength 850/1300/1310/1550nm light source. Includes soft case, manual and MM/SM cable kit.
135051	FC to LC adapter - Order two (2) for use on light source and power meter.

SecuriTEST[®] Pro

SecuriTEST[®] Pro is the most versatile all-in-one installation and troubleshooting tool for the CCTV professional. It brings CCTV camera testing to a higher level with integrated IRE testing of sync and video levels to ensure the best possible video quality.

CCTV installers often need to carry a variety of testing tools to complete their work. SecuriTEST Pro combines eight essential tools in one easy-to-carry package: a CCTV video monitor, IRE signal level meter, PTZ camera controller, digital multi-meter, UTP wire map cable tester, video test pattern generator, PTZ protocol analyzer and Camera Programmer in a single compact package.



FEATURES & BENEFITS

- Analog CCTV installation and troubleshooting tool
- Compatible with 20+ PTZ protocols
- Test, aim, focus and program cameras when working alone. Save time by not having to walk back to the control center to verify operation of each camera.
- Sharp, bright 2.5in (6.3cm) color LCD screen with on-screen displays for PTZ control/diagnostics and DMM readouts.
- PTZ protocol analyzer

Kit Contents Part No.

33-892

SecuriTEST Pro - CCTV tester with carrying pouch, lithium battery pack, 120/240V power adapter/charger, UTP wire map test remote. BNC cord and user manual

33-892-BP Replacement lithium polymer battery pack

LanXPLORER Pro

LanXPLORER Pro is an In-line tester for diagnosing problems in active and passive networks. Capabilities include troubleshooting for Ethernet connectivity and identifying faults in copper cables. Networks can be accessed through copper, fiber and Wi-Fi interfaces.

LanXPLORER Pro includes advanced PoE ands PoE+ (802.3at) detection capabilities to measure power available to devices at the end of long runs when troubleshooting. Example, know when only 11 watts of power are available to a device that requires 13 watts. The In-line mode also measures the power consumption of PoE and PoE+ devices in real-time displaying the wattage drawn by the powered device.

LanXPLORER Pro enables monitoring of VoIP calls to measure Quality of Service (QoS) statistics including Real Time Transport Protocol (RTP) and jitter. When placed between any two points in a network, the MAC and IP addresses and name of the top 10 bandwidth consuming devices is displayted to identify sources of network slow-downs. It also displays the external IP address (website) that devices inside the LAN are connected to allowing administrators to identify the source of the traffic, ex., video or music streaming.

FEATURES & BENEFITS

- In-Line feature (RJ45) allows monitoring of network traffic between any two points in the network to diagnose Ethernet issues that cannot be detected by software tools running on a PC or managed switch
- Identifies top 10 band width consuming devices (both transmitting and receiving) on the network to help troubleshooting
- Monitor total network bandwidth throughput

- Voice over IP (VoIP) QoS testing
- Identify MAC and IP address of all devices on network
 - Identify sources of network congestion Identify new, missing or
 - roque network devices
 - Troubleshoot PoE/PoE+ devices
- · Locate Wi-Fi dead spots

- PTZ protocols to test and program cameras in the field, troubleshoot faulty controllers, wiring or cameras.
- Video level, sync and audio testing

- compatible with 20+

- Lithium polymer battery
- Program camera tours and other functions
- Integrated UTP cable tester
- Category I digital multimeter with continuity, AC/ DC volts, amperage and resistance modes

NETWORK Troubleshooting



Part No. Kit Contents

LanXPLORER Pro - PREMIUM package includes 1 x LanXPLORER Pro test unit. 1 x Remote unit #1.1 x High Sensitivity WiFi Antenna, 1 x IDEAL amplifier probe 62-164, R150001 1 x RJ45 insert extraction tool plus 10 x replacement RJ45 inserts '

Additional content: 2 x Power module (rechargeable), 2 x Mains PSU/ charger, 2 x 12in/30cm RJ45 cable, 1 x Quick reference guide (English), 1 x User manual CD, 1 x Carrying case

Additional accessories listed on page 12.

- Identify band width consumed per device
- Determine cause of VoIP quality issues

- Determine whether source of network connectivity issue is the LAN or PC/Network device
- Cable installation testing i.e. wiremap/length/TDR
- Port profiling check ID and services provided at each port of a switch
- Network auditing i.e. document devices connected to LAN

NETWORK Troubleshooting

NaviTEK[®] NT

NaviTEK NT is a versatile network technician's tester for troubleshooting and maintenance of active and passive networks across copper and fiber, helping to pinpoint and solve networking issues quickly. Decreases device downtime by allowing field technicians to discover the root cause of network connectivity issues such as incorrect IP configuration, rouge network services and network bandwidth issues.

FEATURES & BENEFITS

- Detailed network statistics including Protocol, Frame, IP analysis and switch speed 10/100/1000 Mb/s information simplify device configuration and aid troubleshooting
- Determines speed capability of PC and other Network Devices
- Identifies switch name, MAC address and port number with CDP/LLDP/EDP to simplify troubleshooting
- Configurable by DHCP or static IP with VLAN capability
- IPv4 and IPv6 compatible
- PBX/ISDN/analog (POTS) displays type of service and voltage/polarity on each pair

 Network/internet connectivity with Ping/Traceroute to IP address and URL

- Network DNS by resolving URL to IP address
- Netscan counts number of devices on subnet
- Network connectivity-DHCP/CDP/LLDP
- PoE 802.3af service detection
- Test storage and reporting
- Transfer reports to phone/ tablet with free IDEAL AnyWARE app.
- Wi-Fi adapter included with Plus/Pro models
- Cable tracing/distance to fault (TDR)

Kit Contents NaviTEK NT Kit: 1 x NaviTEK II test unit, 1 x Remote unit no. 1*

ANAVITEK NT

IPv4- 192.168.1.10 /6- fd5e:ec89:ca25:8566::16

X CONTESTS

ENTER

R151003 Remote unit no. 1

Any**WARE**

R151004 NaviTEK NT Pro Kit: 1 x NaviTEK II Pro test unit, 1 x Remote unit no. 1. See accessories page for SFP fiber optic modules.

Additional content

Part No.

R153001

2 rechargesble NiMH battery packs, 2 x Patch cables - 12/in30cm, Cat. 5e STP, 1 x Manual on CD, 1 x Quick reference guide, 1 x Carrying case Additional accessories listed on page 12.

Feature	R153001 Basic Model	R151003 Plus Model	R151004 Pro Model
IPv4/IPv6	\checkmark	\checkmark	\checkmark
TDR Fault Finding	\checkmark	\checkmark	\checkmark
802.3af PoE Detection	\checkmark	\checkmark	\checkmark
Test Results Storage		\checkmark	\checkmark
Use with AnyWARE app		\checkmark	\checkmark
EDP/CDP/LLDP Port ID		\checkmark	\checkmark
VLAN Support		\checkmark	\checkmark
802.1x Security Support			\checkmark
Fiber Optic Ready			\checkmark

Tone & Probe Kit

Professional quality Amplifier Probe designed to identify and trace wires or cables within a group without damaging the insulation allowing for pin point identification even in the most congested cable bundles. one generator injects tracing signal onto any type of wire for cable tracing. Troubleshoot wire and telephone problems with integrated continuity testing and analog telephone polarity indicator.

FEATURES & BENEFITS

- Non-conductive tip prevents short circuits
- Recessed activation button prevents accidental battery drain
- Three selectable tones
 RJ11, F and alligator clip connections
- Powered by 9V battery with low battery indicator
- Adjustable volume control

IDEAL AnyWARETM

IDEAL AnyWARE is a free app for iOS and Android devices that wirelessly connects to AnyWARE compatible IDEAL Networks testers allowing users to transfer PDF & CSV test reports or individual test results to the mobile device. Once on the device the reports can be sent to colleagues via email or cloud based file sharing services.

FEATURES & BENEFITS

 Instantly send data from the job site to project managers and customers

• Backup test data from the field for safe keeping

• Improve productivity by eliminating the need to transport test data on physical media

CABLE Tracing



Part No.	Kit Contents
33-864	Tone & Probe Kit with padded carry pouch





TESTER Options & Accessories

Part No.	Description	Tester Compatibility
SignalTEK	NT / SignalTEK CT / NaviTEK NT / LanXPLORER	
WIFI-ADPT	USB Wi-Fi adapter allows tester to connect to IDEAL AnyWARE iOS and Android mobile app	All except standard NaviTEK model R153001
MGKSX1	1000BASE-SX multimode fiber optic option - Includes one (1) multimode 850nm SFP (Small Form factor Pluggable) transceiver, LC/LC and LC/SC duplex multimode cables and SC/SC duplex coupler. Order 2 for use with SignalTEK NT/FO.	SignalTEK NT/FO NaviTEK NT Pro model LanXPLORER Pro
MGKLX2	1000BASE-LX multimode/single-mode fiber optic option - Includes one (1) multimode/single- mode 1310nm SFP (Small Form factor Pluggable) transceiver, LC/LC and LC/SC duplex single- mode cables and SC/SC duplex coupler. Order 2 for use with SignalTEK NT/FO.	SignalTEK NT/FO NaviTEK NT Pro model LanXPLORER
MGKZX3	1000BASE-ZX single-mode fiber optic option - Includes one (1) single-mode 1550nm SFP (Small Form factor Pluggable) transceiver, LC/LC and LC/SC duplex single-mode cables and SC/SC duplex coupler. Order 2 for use with SignalTEK NT/FO.	SignalTEK NT/FO NaviTEK NT Pro model LanXPLORER Pro
150058	RJ45 connector insert kit - Replace worn or damaged connectors. Eliminates need to send testers in for repair of common wear item. Includes 10 replacement RJ45 inserts, 1 x RJ45 removal tool.	SignalTEK - all models NaviTEK NT - all models LanXPLORER
150059	Active wiremap remote ID# 1 - Advanced 2-sided wiremap testing, P/F LED indicator Active wiremap remote kit ID# 2-6 - Advanced 2-sided wiremap testing, P/F LED indicator Active wiremap remote kit ID# 2-12 - Advanced 2-sided wiremap testing, P/F LED indicator	SignalTEK - all models NaviTEK NT - all models LanXPLORER
151051	Power adapter/battery charger - with US/UK/Euro plugs. 120-240V, 50/60Hz (each)	SignalTEK - all models NaviTEK NT - all models LanXPLORER
151052 151053	AA Battery module - holds 4 x AA alkaline non-rechargeable batteries, each Rechargeable NiMH battery pack - with charging input port, each	SignalTEK - all models NaviTEK NT - all models
150062 150053	•	LanXPLORER
VDV II Se	ries	
158051	RJ45 Wiremap remote kit ID# 1-12 (provides ID, wiremap test results and length measurement) RJ45 Identifier kit ID# 1-25 (provides ID and length only) Coax F connector remote kit ID# 1-12 (ID, wiremap result, length)	VDV II - all models
LanTEK III	Series	
LANTEK-III-1Y	CarePlan for LanTEK III - includes annual calibration, free repair with loaner tester for repairs	LanTEK III - all models
LANTEK-III-2Y	CarePlan for LanTEK III - Extends total warranty to 2 years, includes annual calibration, free repair with loaner tester for repairs	LanTEK III - all models
LANTEK-III-3Y	CarePlan for LanTEK III - Extends total warranty to 3 years, includes annual calibration, free repair with loaner tester for repairs	LanTEK III - all models
LANTEK10GBKIT	Alien crosstalk kit to test Cat 6 and Cat 6A cabling for 10 Gigabit performance	LanTEK III - all models
R160050	Industrial Ethernet testing kit with M-12 adapters	
R161054	Siemon TERA* adapter for Cat 7 testing. Each, order 2 with new tester.	LanTEK III 1000
R161057	Coax adapter with BNC connectors. Each, order 2 with new tester.	LanTEK III - all models
R161058	Li-Ion battery pack, each	LanTEK III - all models
R161059	LanTEK III power supply/charger with US/UK/Euro plugs - 110-240V, 50/60Hz	
R164060	FiberTEK III adapter set, 1 each SC, SC and FC	FiberTEK III MM or SM
R161059	LanTEK II power supply/charger with US/UK/Euro plugs - 110-240V, 50/60Hz	LanTEK III - all models
WIFI-ADPT	Replacement USB Wi-Fi adapter to connect with IDEAL AnyWARE iOS and Android mobile app	LanTEK III - all models





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