



# DATA COMM / NETWORKS

## LanTEK® II Series Cable Certifier

- **Best price/performance options from three models** - 350 MHz, 500 MHz, 1000 MHz
- **Super fast** nine second Cat 5E, 14 second Cat 6 including full graphical data
- Patented **Universal Adapter System** equals **lowest cost of ownership**
- **No proprietary adapters, test most cables with off the shelf manufacturer matched patch cords**
- **Permanent and Channel testing without changing adapters** with patented **DualMODE 2 ANEXT** testing **4x faster and easier than any competitor**
- **18+ hour battery life of test time** from smart lithium-ion technology with minimal drain between use
- **No down time** with testing on Ac, AC + battery or battery only including five hour eternal quick battery charge
- **Most expansive internal memory with storage for over 1700 Category 6/ISO E tests with graphs** and off-load to USB flash drive
- **Extraordinary fast and easy fiber testing with optional FiberTEK® FDX** using **first full duplex, bi-directional fiber certification**
- **Ultra big and bright display with LED backlighting** for clear viewing of menus and data plots
- **Trade-in path for old certifiers of any brand and Upgrade path for LanTEK II 350 MHz and 500 MHz units to 1000 MHz**



Cat. No.	Description	Cat. No.	LanTEK® II – Add-on Options
33-993	LanTEK® II-1000: ANSI/TIA Cat7A, ISO Class F/F <sub>A</sub> certifier w/Cat6A adapters	33-990-FA01	Multimode (850/1300nm) kit with LED light sources for standard multi-mode fiber
33-992	LanTEK® II-500: ANSI/TIA Cat6A, ISO Class E <sub>A</sub> certifier w/Cat6A adapters	33-990-FA02	Multimode (850/1300nm) kit with VCSEL/laser light sources for laser optimized fiber
33-991	LanTEK® II-350: ANSI/TIA Cat6, ISO Class E certifier w/Cat6 adapters	33-990-FA03	Single mode (1310/1550nm) kit with laser light sources for single mode fiber
33-993-FA01	LanTEK® II-1000 with MM LED FiberTEK FDX Kit	33-990-FA04	Combination MM/SM kit with LED MM sources and laser SM sources (33-990-FA01 & 33-990-FA03)
33-993-FA02	LanTEK® II-1000 with MM VCSEL/Laser FiberTEK FDX Kit	33-990-FA05	Combination MM/SM kit with VCSEL/laser MM sources and laser SM sources (33-990-FA02 & 33-990-FA03)
33-993-FA03	LanTEK® II-1000 with SM Laser FiberTEK FDX Kit	FDX2-CP-3	Three year Care Plan for FiberTEK FDX, 3 year warranty + annual calibration for FA04 or FA05 kits
33-993-FA04	LanTEK® II-1000 with MM LED & SM Laser FiberTEK FDX Kit	FDX-CP-3	Three year Care Plan for FiberTEK FDX, 3 year warranty + annual calibration for FA01-FA03 kits
33-993-FA05	LanTEK® II-1000 with MM VCSEL & SM Laser FiberTEK FDX Kit	LT2-CP-3	Three year Care Plan for LanTEK® II, 3 year warranty + annual calibration and accessory replacement
		LANTEK10GBKIT	Alien Crosstalk Testing Kit for 10GbE Certification. Compatible with 33-992 and 33-993.

Contents: LanTEK® II display and remote handset, two smart lithium ion batteries, two 110-240V power adapters with US/EU/UK plugs, lockable semi-rigid carrying case, Cat6A F/FTP patch cords, USB cable, DataCENTER data management and reporting software, two headsets, and hanging straps.

Trade-up and CarePlan details, Product video and demo, software and all product information at [www.idealindustries.com](http://www.idealindustries.com).



1-800-435-0705 CUSTOMER ASSISTANCE

# SignalTEK™ II

- **Save money** - by using a single multifunction device in place of separate copper, fiber and Power over Ethernet (PoE) testers.
- **Increase efficiency** through simplifying and accelerating cable installation including advanced Ethernet network troubleshooting
- **Cost effective** way to test network links to Gigabit performance standards including IEEE 802.3ab
- **Future-proof investment** with a cable qualifier that is already IPv6 and PoE+ compatible
- Full Gigabit load cable test
- Excellent wiremapping by pin, with distance to fault
- Support for copper and fiber optic networks
- Simplified network load testing through hubs and switches



SIGNALTEK™ II FO

Cat. No.	Description
<b>SignalTEK™ II - Operates on copper networks</b>	
<b>R156000</b>	<b>SignalTEK™ II</b> - 1 x Near-End unit (copper only), 1 x Remote unit (copper only), 2 x Power module (rechargeable), 2 x Mains PSU/charger, 2 x 30cm RJ45 cable, 1 x Quick reference guide (English), 1 x User manual CD, 1 x Carrying case
<b>SignalTEK™ II - Operates on both copper and fiber optic networks</b>	
<b>R156001</b>	<b>SignalTEK™ II FO</b> - 1 x Near-End unit (copper and fibre), 1 x Remote unit (copper and fibre), 2 x Power module (rechargeable), 2 x Mains PSU/charger, 2 x 30cm RJ45 cable, 1 x Quick reference guide (English), 1 x User manual CD, 1 x Carrying case
<b>150054</b>	1 x Active remote No. 1
<b>150050</b>	1 x Active remote set No. 2 - 12
<b>151053</b>	1 x NiMH power module
<b>150055</b>	2 x Patch cables - 30cm, Cat. 5e STP
<b>151051</b>	1 x Power supply with EU/UK/US adaptor
<b>151052</b>	1 x Alkaline battery module
<b>MGKSX1</b>	1 x 1000BASE-SX Fibre kit. Includes 850nm SFP (Small Form factor Pluggable) SX transceiver, LC/LC and LC/SC duplex multimode cables and SC/SC duplex adaptor
<b>MGKLX2</b>	1 x 1000BASE-LX Fibre kit. Includes 1310nm SFP (Small Form factor Pluggable) LX transceiver, LC/LC and LC/SC duplex singlemode cables and SC/SC duplex adaptor
<b>MGKZX3</b>	1 x 1000BASE-ZX Fibre kit. Includes 1550nm SFP (Small Form factor Pluggable) ZX transceiver, LC/LC and LC/SC duplex singlemode cables and SC/SC duplex adaptor
<b>62-164</b>	1 x IDEAL amplifier probe
<b>33-963-10</b>	1 x Fibre cleaning pen for SC, ST and FC adaptor
<b>33-963-11</b>	1 x Fibre cleaning pen for LC and MU adaptor
<b>150056</b>	1 x Optical fibre multimode 2m duplex cable with LC-LC connectors
<b>150057</b>	1 x Optical fibre singlemode 2m duplex cable with LC-LC connectors
<b>150059</b>	1 x Active remote set No. 2 to No. 6
<b>156050</b>	1 x Carry case
<b>150058</b>	1 x RJ45 insert extraction tool, 10 x Lifejack RJ45 inserts

## SIGNALTEK™ Gigabit Certifier & SIGNALTEK™-FO Multimedia Ethernet Certifier

SIGNALTEK™ provides a technically innovative method to test and document performance of voice, data, video and VoIP applications for cabling installers and network technicians. It tests the link's ability to support applications by transmitting Ethernet packets on the wire and measuring the link performance according to IEEE 802.3ab Gigabit Ethernet standard. By monitoring transmitted and received data packets, it can report the BERT (Bit Error Rate Test) for the link.

SIGNALTEK™-FO is the first active ethernet certifier that offers both copper and fiber optic testing; and SIGNALTEK™-FO does it for less than the price of an Optical Test Set alone.

- Simulate real world network traffic with full-duplex gigabit performance testing
- User selectable 10/100/1000 Bit Error Rate Testing (BERT) to ensure performance for all Ethernet devices. Decibel (dB) loss measurements of optical lines.
- Smart autotest function detects line condition and automatically chooses appropriate test to run to allow testing cable that is terminated with a SIGNALTEK remote, a network device or unterminated
- Save time using the remote to perform 10/100 or gigabit service detection AND initiate an Autotest when main unit is connected
- Maximum flexibility with two USB ports. Connect to a computer to upload test results, connect directly to a printer, or connect a USB memory drive for unlimited storage
- Get maximum coverage with a full two-year warranty
- Configure multiple target IP addresses for pinging several network devices to ensure communications with servers, printers, IP cameras, home automation controls, etc.
- Offers network interrogation tools such as link establishment, port LED blink and ping
- TDR to accurately measure length and locate shorts and opens
- ARP test discovers active network devices
- Exceeds 100m measurement distance required by IEE 802.3ab gigabit Ethernet
- Dual Wavelength Capability – available in both 850nm and 1300nm wavelengths to support virtually all LAN and campus fiber applications.



Description	Cat. No.
SIGNALTEK™-FO w/850 Modules	<b>33-981</b>
SIGNALTEK™-FO w/13X0 Modules	<b>33-982</b>
SIGNALTEK™-FO w/850 & 13X0 Modules	<b>33-983</b>
SIGNALTEK™-FO w/o Modules (Fiber-Ready)	<b>33-987</b>
SIGNALTEK™ Kit - Copper Only	<b>33-974</b>
Universal 120-240V Power Adapter	<b>4010-00-0136</b>
RJ-45 to 8 Head Alligator Clip	<b>K-7920</b>
Pair of 850nm SFP Modules	<b>SFP-850</b>
Pair of 13X0nm SFP Modules	<b>SFP-13X0</b>
Replacement Cable Accessory Kit - contains all original cables in SIGNALTEK™ Kit	<b>1219-91-0003</b>



#33-974 - SIGNALTEK™ Kit - Copper Only



#33-983 - SIGNALTEK™-FO w/850 & 13X0 Modules

# LanXPLOER™ Series

With full In-Line and Endpoint test capabilities, LanXPLOER PRO tests not only copper cables but also active LAN connections over copper and fiber links. In addition, it liberates the user from cables by allowing most tests to be conducted through a wireless connection offering unparalleled flexibility. With such comprehensive test capability and ease of use, LanXPLOER PRO is the perfect tool to meet the needs of professional IT installers and systems administrators in any enterprise, campus or industrial Ethernet environment.

- Network connectivity and diagnostics for 10/100/1000Mb Ethernet
- Options for dual copper ports for in-line testing, fiber optic SFP port and Wi-Fi
- Network mapping to all devices on the network and group into categories
- Save and recall Network Maps to identify changes in the network such as new or missing devices
- List top talkers to identify the source of network slowness
- Power over Ethernet (PoE) testing with load simulation to fully test PoE power supply equipment and in-line testing to measure power consumption of PoE devices
- Full wire map testing with TDR to located cabling faults
- Displays total, average, peak network bandwidth, error generation and packet size distribution
- Monitoring of VoIP calls and quality including RTP Jitter
- Field replaceable RJ-45 jacks eliminate downtime from wear and tear

## Features

	LanXPLOER	LanXPLOER PLUS	LanXPLOER PRO
Display	Color, 3.5" QVGA	Color, 3.5" QVGA	Color, 3.5" QVGA Touchscreen
Test interfaces	1 x RJ45	1 x RJ45, Wi-Fi	2 x RJ45, Wi-Fi, 1 x SFP
Wiremap with length	✓	✓	✓
PoE and PoE+ tests	✓	✓	✓
Wi-Fi w/ext. antenna		✓	✓
SFP fiber interface			✓
Network detection	✓	✓	✓
Network device mapping	✓	✓	✓
Traffic/Top Ten/Error counting	✓	✓	✓
PC diagnosis			✓
In-line tests			✓
VoIP testing			✓
Test storage	✓	✓	✓
VLAN / 802.1x support	✓	✓	✓
Loopback mode			✓



## Ordering Information

Description	Cat. No.
<b>LanXPLOER™ Tester</b> – Soft carrying case, 2 x RJ-45 STP patch cords, 1 smart remote, 6 AAA batteries, printed quick reference guide, manual on CD	<b>R150002</b>
<b>LanXPLOER™ PLUS Premium Kit</b> – Includes tester, soft carrying case, 2 x RJ-45 STP patch cords, 1 smart remote, printed quick reference guide, manual on CD, <b>rechargeable battery pack, AC power supply, inductive cable tracing probe</b>	<b>R150005</b>
<b>LanXPLOER PRO Premium Kit</b> – Includes tester, soft carrying case, 2 x RJ-45 STP patch cords, 1 smart remote, printed quick reference guide, manual on CD, <b>rechargeable battery pack, AC power supply, inductive cable tracing probe</b>	<b>R160001</b>
Battery Pack - rechargeable	<b>150053</b>
Remote #1	<b>150054</b>
Remote Kit #2 - #12	<b>150050</b>
RJ-45 Inserts with removal tool	<b>150058</b>
Remote Kit #2 - #6	<b>150059</b>
Power Supply/Battery Charger	<b>150052</b>
Replacement Wi-Fi Antenna (Plus/Pro models only)	<b>150061</b>
1 x 850nm SFP module w/LC-LC and LC/SC jumper	<b>MGKSX1</b>
1 x 1310nm SFP module w/LC-LC and LC/SC jumper	<b>MGK LX2</b>
1 x 1550nm SFP module w/LC-LC and LC/SC jumper	<b>MGKZX3</b>

## NaviTEK® II

### Unique Class Leading Features

#### Easy to See User Interface

- Large, bright and clear color screen
- Large icons for accuracy and efficiency
- 5-way navigation buttons for easy navigation
- On screen keyboard for easy data input
- Autotest completes several tests automatically

#### Essential Features for Modern Networks – IPv6!

- Simultaneously see and test IPv6 and IPv4 network information
  - Ping, Traceroute, DHCP
  - Store up to 100 common destinations
- Netscan – one touch, fast discovery
  - Auto discover IPv6 and IPv4 network nodes
- VLAN interface support (full 4096 range with priority)

#### Powerful PoE+ and PoE Capabilities

- See the availability and capability of PoE sources in real time - Voltage, Current, Standard (802.3af and 802.3at)

#### Accurate Cable Testing and Fault Finding

- Advanced Wiremap – pin by pin help you pinpoint faults
- Total distance, distance to fault with graphical display
- One connector for cabling and network tests, no need to move the cable
- Includes smart remote for very accurate results
- Built in toning capabilities to quickly distinguish cable

#### Large Test Database Storage with Job Folders

- Store up to 250 test results on the tool

#### Organize your tests in up to 5 different job folders



### Ordering Information

Description	Catalog No.
<b>NaviTEK® II PLUS Test Unit</b> – Advanced Wiremap Remote Unit #1, (2) Cat 5e STP patch cords, (4) AA Dry Cell Batteries (non-rechargeable), Quick Reference Guide, Manual on CD, Carrying Case	<b>R151000</b>
<b>NaviTEK® II PLUS PREMIUM Kit</b> – NaviTEK® II PLUS Test Unit, NiMh rechargeable battery pack, AC power adaptor (US/UK/EU), (10) Lifejack RJ45 Inserts + Extraction Tool, Advanced Wiremap Remote Unit #1, (2) Cat 5e STP patch cords, (4) AA Dry Cell Batteries (non-rechargeable), Quick Reference Guide, Manual on CD, Carrying Case	<b>R151001</b>
<b>NaviTEK® II PRO PREMIUM Kit</b> – NaviTEK® II PRO Test Unit with Fiber SFP Interface, NiMh rechargeable battery pack, AC power adaptor, (10) Lifejack RJ45 Inserts + Extraction Tool, Advanced Wiremap Remote Unit #1, (2) Cat 5e STP patch cords, (4) AA Dry Cell Batteries (non-rechargeable), Quick Reference Guide, Manual on CD, Carrying Case <i>SFP Fiber Kit modules sold separately</i>	<b>R151002</b>
<b>NaviTEK® II PRO BASIC Test Kit</b> – 1 x NaviTEK® II test unit, 1 x Remote unit No. 1, 4 x AA dry cell batteries (non-rechargeable), 2 x Patch cables - 30cm, Cat. 5e STP, 1 x Manual on CD, 1 x Quick reference guide, 1 x Carrying case (this SKU needs to be at top of list)	<b>R151003</b>
Accessories	
(1) Alkaline Battery Module	<b>151052</b>
(1) Remote #1	<b>150054</b>
Remote Kit #2 - 12	<b>150050</b>
Remote Kit #2 - #6	<b>150059</b>
(1) MiMh Power Module	<b>101053</b>
(2) 12' Cat 5e STP Patch Cables	<b>150055</b>
(1) AC power adaptor (US/UK/EU)	<b>151051</b>
(10) RJ45 Replaceable Inserts with (1) Removal Tool	<b>150058</b>
(1) IDEAL Amplifier Probe	<b>62-164</b>
Optical fiber multimode 2m duplex cable, LC/LC connectors	<b>150056</b>
Optical fiber single-mode 2m duplex cable, LC/LC connectors	<b>150057</b>
(1) Carrying Case	<b>151054</b>
1000BASE-SX Fiber Kit, Includes 850nm SFP (Small Form factor Pluggable) SX transceiver and LC/SC duplex multimode cable	<b>MGKSX1</b>
1000BASE-LX Fiber Kit, Includes 1310nm SFP (Small Form factor Pluggable) LX transceiver and LC/SC duplex single-mode cable	<b>MGKLZ2</b>
1000BASE-ZX Fiber Kit, Includes 1550nm SFP (Small Form factor Pluggable) ZX transceiver, LC/SC duplex single-mode cable	<b>MGKZX3</b>

# SecuriTEST™ PRO CCTV/Security Tester

SecuriTEST™ PRO is the most versatile all-in-one installation and troubleshooting tool for the CCTV professional. CCTV installers often need to carry a variety of testing tools to complete their work. SecuriTEST™ PRO combines the most-needed tools in one easy-to-carry package. Since all connections (video/communications/DMM) attach to a single unit, SecuriTEST™ PRO eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

- IRE video level and sync tests
- Sound level test through integrated speaker and on screen level indicator
- High capacity lithium ion battery
- Support for additional PTZ protocols
- Carrying case included
- **Seven Essential CCTV Tools** - Combines a CCTV video tester, PTZ camera controller, Digital Multimeter, UTP cable tester, video test pattern generator, PTZ protocol analyzer and camera programmer in a single compact package.
- **Save Time & Money** - Test, aim, focus and program cameras when working alone. Save time by not having to walk back to the control center to verify functionality of each camera.
- **Compact Design** - Combines all the most needed security tools in a lightweight easy-to-carry unit. Sharp, bright 2.5 in. (6.3 cm) color LCD screen with on-screen displays for PTZ control/diagnostics and DMM readouts.
- **PTZ Protocol Analyzer** - Compatible with 20+ PTZ protocols to test and program cameras in the field. Decodes and identifies output from PTZ console to aid in troubleshooting.



Description	Cat. No.
SecuriTEST™ PRO CCTV/Security Tester only	<b>33-892</b>

# VDV Pro Cable Tester

The VDV PRO Cable Tester is an easy-to-use cable testing and verification device that can quickly test all wiring requirements found throughout today's residential and commercial environments.

- Voice - tests 3-pair USOC and 6-position RJ-11/12 jacks for voice cable testing
- Data - tests wire map of shielded and unshielded cable to T568A/B standard
- Video - tests coax cable for opens, shorts and length with F-Connector interface
- Larger backlit LCD screen for better test results readability
- Network link LED blink for visual cable tracing
- Voice testing capability detects RJ-11 (1, 2, or 3 pair)
- Voice test also shows Normal or Reverse for pins 1 through 6
- Length measurement is shown during initial test results for convenience and time savings
- Eight remotes have RJ-45, RJ-11 and Coax F-jacks for increased testing capabilities
- Tests for shield continuity, shorts, opens, miswires, reversals and split pairs with remote connected
- Full dot-matrix LCD display for user convenience to read display results
- One-ended testing for shorts, opens and split pairs (no remote needed)
- Test results displayed in wire map format with message line for shorts and split pairs



Description	Cat. No.
VDV PRO w/one remote and terminator	<b>33-770</b>
VDV PRO w/eight remotes and terminators	<b>33-771</b>
VDV PRO (33-770) w/one remote and Amplifier Probe (62-164)	<b>33-780</b>

Description	Cat. No.
VDV PRO Eight Remote Replacement Kit (ID 1-8)	<b>33-774</b>
Eight Coax Terminator Kit	<b>33-775</b>



## IENet™ Pro Cable Tester for RJ-45 and M-12 Industrial Ethernet Cable Testing


The IENet® PRO tester makes it a snap to quickly verify wiring integrity and assure proper terminations for diverse types of industrial cabling and provides automatic pin conversion between M-12 and RJ-45 connections.

- Simple selection between Voice, 2 and 4 pair Data, and Coax testing functions. Voice and Video/Security tests via optional adapters
  - Tests for opens, shorts, miswires, reversals, split pair (user selectable) and length
  - Indicates correct wiremap to T568A/B standards for shielded and unshielded cabling
  - Easy-to-read LCD display with "PASS" or "Miswire" indicator for each test
  - Identifies presence of voltages on cables
  - Tone generator supports four different tones making fault isolation easier
  - Network LED blink for visual cable tracing
  - Numerical indication for UTP "No Shield" and STP - "Shield" to comply with industrial ethernet PROFINET® requirements
- PROFINET® is a registered trademark of PROFIBUS International.

### Ordering Information

Description	Cat. No.
IENet™ PRO w/single remote	33-772
IENet™ PRO w/eight remotes	33-773
Eight Coax Terminator Kit	33-775
IENet™ PRO Eight Remote Kit (ID 1-8)	33-776

### Accessories

Description	Cat. No.
 RJ-45 to RJ-11 jack adapter (2/card)	LA-4233

Integrated RJ-45 (UTP/STP) and shielded M12 interfaces on top of the unit

Compact ergonomic design puts full-featured industrial Ethernet cable testing in the palm of your hand



Detachable remote with RJ-45 and shielded M12 Coax intertaces



Large backlit LCD displays user current test mode, test results and all faults for the various types. Display automatically warns of voltage on lines and shows a PASS or MISWIRE message after each test.

Remote ID number indicated on display, UTP indicated as "No Shield" and STP as "Shield"

A single button push immediately selects between VOICE, 2 and 4 pair DATA and VIDEO testing functions

## Test-Tone-Trace Kit

- Kit includes the VDV (33-856), Amplifier Probe (62-164) and carrying case
- Tests and traces coax, twisted pair and telephone cables



Description	Cat. No.
Test-Tone-Trace Kit	33-866

## PRO Amplifier Probe and Tone Generator



### Amplifier Probe

- Identifies and traces wire or cables within a group
- Battery low indicator

### Tone Generator

- Emits three different types of tones
- Auto-off after three hours of non-use
- F-Connector port for toning & tracing coaxial CATV cabling systems
- Tone can be added in any status

Description	Cat. No.
Amplifier Probe & Tone Generator Kit - includes 62-164, 62-160, Lead Set, Cable Assembly	33-864
Amplifier Probe	62-164
Tone Generator	62-160

## TRACETone™ Tone Generator & Amplifier Probe

- Test continuity and locate signal of installed wire and cable
- Two selectable tone styles
- Adjustable volume control
- RJ-11 Alligator Clip, RJ-11 Cable Assembly included



Description	Cat. No.
TRACETone™ Tester	62-140

## VDV MultiMedia Cable Tester

Easy-to-use tester for installers working with voice, data and video applications. One tester for all applications!

- **Voice** – supports 3-pair USOC and 6-position RJ-11/12 jacks for telephone cable testing
- **Data** – supports both shielded and unshielded cable testing to T568A/B (RJ-45)
- **Video** – tests coax cable for opens and shorts with F-connector interface
- Tests for opens, shorts, miswires, reversals and split pairs. Also indicates correct wiremap. Automatic shut off (to prolong battery life) and low battery indicator.
- Easy-to-read LCD display with “PASS or ERROR” indicator after each test
- Tone generator supports four different tones making fault isolation easier
- One remote wiremap and testing unit is stored inside tester – easier to keep all parts together
- Uniquely designed remote accommodates RJ-11, RJ-45 and F-style connectors



Description	Cat. No.
VDV MultiMedia Cable Tester	33-856

## LinkMaster™ Tester

Tests wiring configurations on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug feature, automatic shut-off and low battery LED indication.

- Designed to test installed twisted pair wiring
- Tests unshielded and shielded modular plugs
- Main unit and remote allow one person testing



Description	Cat. No.
LinkMaster™ Tester and Remote	62-200