Save money by using a single multifunction device in place of separate copper, fibre 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 fibre optic networks**

- **Simplified network load testing through hubs and switches**

SignalTEK II

Handheld cable and network qualifier designed to confirm correct installation of copper and fibre cabling capable of supporting voice, video, data and CCTV applications over 10/100 Megabit or Gigabit Ethernet.

SignalTEK II is essential for all installers of data cabling whether working in residential premises, small to medium-sized offices, or industrial Ethernet environments.

idealnwd.co.uk

SignalTEK II

A handheld tester for voice, video, data and CCTV applications over copper and fibre

SignalTEK II provides an alternative to a cable certifier for applications such as business or residential installations which do not require certification to EIA/TIA or ISO/IEC standards

Full Gigabit bi-directional load testing

Save time and improve the reliability of your test results with full bi-directional testing

Additional Ethernet troubleshooting capabilities

Maximise Return on Investment with the added ability to identify Ethernet, Power over Ethernet (PoE) and PoE+ issues, in addition to verifying Ethernet connectivity

Suitable for both copper and fibre

Eliminate the need to purchase and carry multiple different testers by using one device to conduct active and passive testing across both copper and fibre networks

Wiremapping by pin as well as pair

Save time on the job and locate wiremap faults more quickly and accurately by testing via both pin and pair, detecting split pairs and identifying the distance to fault

Reporting of test results

Simplify customer reporting and create accurate documentation on jobs undertaken using SignalTEK II to generate and store test results in standards compliant XML format. Additionally, view and export results to enable report printing

Load test through hubs and switches

Save money by measuring available network speed without needing to purchase a separate transmission tester

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Applications for SignalTEK II

Qualify new cabling installations *to generate end-user confidence in the infrastructure to support desired applications such as Voice over IP (VoIP)*

Test that existing cabling *can support Gigabit Ethernet*

Troubleshoot network issues *by performing active network testing through hubs and switches all the way to the server*

Run transmission tests *eg. network speed and confirm bandwidth requirements before, during and after moves, adds and changes*

Document network connectivity *and generate detailed reports proving job completion to initiate end-customer payment*

SignalTEK II

SignalTEK II simplifies and accelerates routine tasks with intuitive controls, automatic functions and clear, colour screen

Ports for both copper and fibre

Interchangeable fibre optic interface

Save money by employing a single device to test entire networks

User-exchangeable RJ45 inserts

Interchangeable RJ45 socket

Reduce downtime by not needing to send tester to a service centre

Virtual keyboard

Virtual keyboard

Work efficiently, quickly and easily input data

Autotest function

AUTO
Autotest

Reduce network downtime by speeding up testing of common applications

A choice of power inputs

Mains

Flexibility of working environment through options of rechargeable or alkaline batteries and mains power
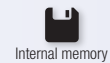
USB interface and internal memory

Internal memory

Generate accurate customer reports more easily by exporting data via memory sticks

2.8″ colour screen

Backlit screen

Reduce the chance of false readings with a clear, bright and backlit screen
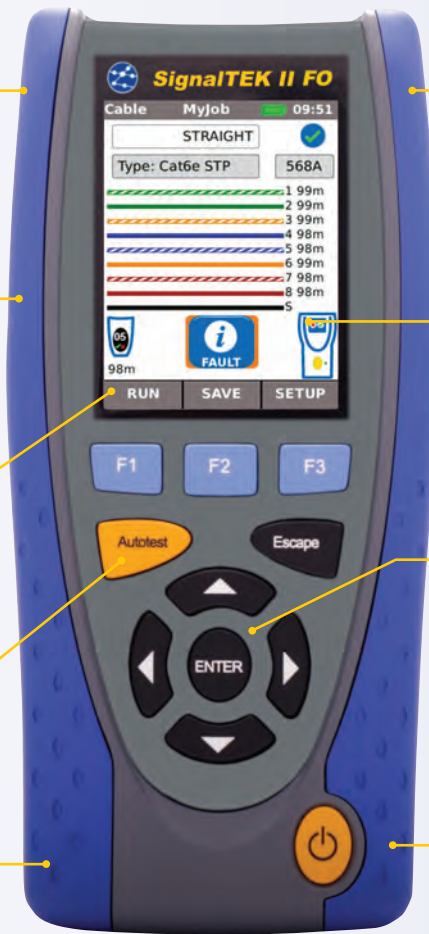
Multifunction and cursor keys

Cursor keys

Multifinction softkeys

Intuitive interface minimises user training requirements, plus improves productivity in the field as tests can be completed in minimal time

Durable rubber moulded housing

Durable moulding

Robust tester that stands up to demands of the user

Clear results

- Easy to see
- Easy to navigate
- Quick to test

Faster faultfinding

- Clearly see cabling faults
- Know where they are
- Validate repairs

PoE+ and IPv6

- Be prepared for any challenge
- Test and validate any networks
- Test and validate PoE+ resources

SignalTEK II

Working in environments where cable and network qualification is necessary to confirm correct installation, SignalTEK II is a cost-effective way to test network links to performance standards including IEEE 802.3ab. SignalTEK II is designed to test copper and fibre cabling capable of supporting voice, video, data and CCTV applications over 10/100 Megabit or Gigabit Ethernet.

With multiple network troubleshooting features including wiremap by pin with distance to fault, cable tracing and verifying Ethernet connectivity, SignalTEK II is a highly versatile and cost effective handheld tool.

The rubber moulded housing is perfect for the cabling installer whose workplace requires a rugged and robust tool. When working in poorly lit areas the bright, backlit colour screen displays test results clearly.

User-exchangeable RJ45 inserts and intuitive screen icons ensure the installer maximises productivity in the working day. Completed jobs can be reported upon, using the internal memory and USB interface to export results.

Capable of multiple performance testing, SignalTEK II enables the IT or network administrator to operate, with confidence in the accuracy of the results, both rapidly and with minimal user training.

SignalTEK II performs active network testing through hubs and switches all the way to the server.

Not only does it detect and run load testing on PoE and PoE+, SignalTEK II is specifically capable of running full bi-directional Gigabit tests, providing time savings and assurance of network performance.

Incorporating IPv6 compatibility, SignalTEK II provides a future-proof investment for all who need a cable qualifier.

Providing multiple benefits to all users, SignalTEK II is a handheld cable and network qualifier designed to confirm correct installation of copper and fibre cabling capable of supporting voice, video, data and CCTV applications over 10/100 Megabit or Gigabit Ethernet.

Cable installers

IT admin/security, troubleshooters & consultants

Systems integrators

SignalTEK II

Specification Comparison

Functions	SignalTEK II	SignalTEK II FO
Endpoint LAN testing over copper	✓	✓
IPv4	✓	✓
IPv6	✓	✓
Advanced wiremap including length	✓	✓
Wiremap for cross-over cables (copper)	✓	✓
Wiremap for 2 pair copper cables	✓	✓
Wiremap for industrial cables	✓	✓
PoE/PoE+ detection	✓	✓
PoE/PoE+ load current test	✓	✓
Tone generator	✓	✓
Ping test	✓	✓
Traceroute test	✓	✓
Hub blink	✓	✓
Choice of power sources	✓	✓
DHCP client	✓	✓
10/100/1000 Mb/s	✓	✓
Network scan	✓	✓
Results storage/export	✓	✓
Near-End and remote loopback units supplied	✓	✓
Compatible with NaviTEK II/LanXPLORER active remotes	✓	✓
Full Gigabit cable performance test	✓	✓
VoIP performance test through hubs and switches	✓	✓
Web performance test through hubs and switches	✓	✓
Video performance test through hubs and switches	✓	✓
CCTV performance test through hubs and switches	✓	✓
User-exchangeable RJ45 inserts	✓	✓
Backlit colour screen	✓	✓
Fibre performance test		✓
Optical power indication		✓
Endpoint LAN testing over fibre		✓

SignalTEK II

Versions to suit all requirements

SignalTEK II is available in two models with specifications to meet all user needs

SignalTEK II FO

Ordering Information

SignalTEK II - *Operates on copper networks*

Part No.	Kit Contents
R156000	**SignalTEK II** 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

SignalTEK II FO - *Operates on both copper and fibre optic networks*

Part No.	Kit Contents
R156001	**SignalTEK II FO** 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

Optional Accessories

Part No.	Description
150054	1 x Active remote No. 1
150050	1 x Active remote set No. 2 – 12
151053	1 x NiMH power module
150055	2 x Patch cables - 30cm, Cat. 5e STP
151051	1 x Power supply with EU/UK/US adaptor
151052	1 x Alkaline battery module
MGKSX1	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
MGKLX2	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
MGKZX3	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
62-164	1 x IDEAL amplifier probe
33-963-10	1 x Fibre cleaning pen for SC, ST and FC adaptor
33-963-11	1 x Fibre cleaning pen for LC and MU adaptor
150056	1 x Optical fibre multimode 2m duplex cable with LC-LC connectors
150057	1 x Optical fibre singlemode 2m duplex cable with LC-LC connectors
150059	1 x Active remote set No. 2 to No. 6
156050	1 x Carry case
150058	1 x RJ45 insert extraction tool, 10 x Lifejack RJ45 inserts

Dealer Stamp

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