



**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**
- **Powerful network load testing through switches provides assurance of network performance**
- **Excellent wiremapping by pin, with distance to fault**
- **Support for copper and fiber optic networks**

## **SignalTEK® II**

*Handheld cable and network qualifier designed to confirm correct installation of copper and fiber 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.





## **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 switches all the way to the server

**Run transmission tests**  
Verify that existing network infrastructure can handle proposed upgrades & additions

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

## **SignalTEK® II**

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

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

### **Full Gigabit bi-directional load testing**

Test cabling and live networks with full-rate Ethernet traffic to 1Gbps for true performance Qualification

### **Additional Ethernet troubleshooting capabilities**

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

### **Load test through hubs and switches**

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

### **Suitable for both copper and fiber**

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





# SignalTEK® II

*SignalTEK® II simplifies and accelerates routine tasks with intuitive controls, automatic functions and clear, color screen*

## Ports for both copper and fiber

Save money by employing a single device to test entire networks



## User-exchangeable RJ45 inserts

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



## Virtual keyboard

Work efficiently, quickly and easily input data



## Autotest function

Reduce network downtime by speeding up testing of common applications



## A choice of power inputs

Flexibility of working environment through options of rechargeable or alkaline batteries and mains power



## USB interface and internal memory

Generate accurate customer reports more easily by exporting data via USB flash drives



## 2.8" color screen

Unmistakable, clear and concise test results



## Multifunction and cursor keys

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

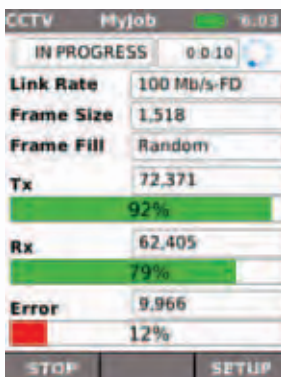


## Durable rubber moulded housing

Robust design stands up to years of use

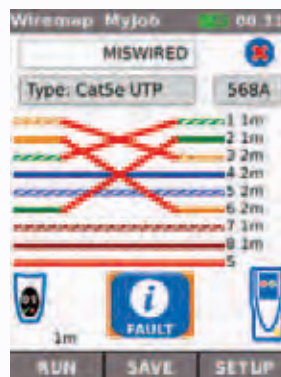


### Clear results



- 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 fiber 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 color 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 fiber 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	✓	✓
Port blink for visual cable tracing	✓	✓
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/LanXPLOER 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 color screen	✓	✓
Fiber performance test		✓
Optical power indication		✓
Endpoint LAN testing over fiber		✓

For further information visit

***idealindustries.com***





# 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

<b>SignalTEK® II - Operates on copper networks</b>	
Part No.	Kit Contents
R156000	<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 FO - Operates on both copper and fiber optic networks</b>	
Part No.	Kit Contents
R156001	<b>SignalTEK® II FO</b> 1 x Near-End unit (copper and fiber), 1 x Remote unit (copper and fiber), 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 AA Alkaline battery module
SFP-850	2 x 1000BASE-SX, 850nm SFP modules. Compatible with SignalTEK® I. Jumpers not included
SFP-1310	2 x 1000BASE-LX, 1310nm SFP modules. Compatible with SignalTEK® I. Jumpers not included
SFP-1550	2 x 1000BASE-ZX, 1550nm SFP modules. Compatible with SignalTEK® I. Jumpers not included
62-164	1 x IDEAL amplifier probe
150056	1 x Optical fiber multimode 2m duplex cable with LC-LC connectors
150057	1 x Optical fiber 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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