



IDEAL NETWORKS

# Proof of Performance

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TOUCHSCREEN



# SignalTEK CT

Data Cable Transmission Tester

Proof of Performance

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Data Cable  
Transmission Tester

## Proof of Performance

If you install or maintain data cabling, SignalTEK CT allows you to generate PDF test reports that prove installed links run at Gigabit Ethernet transmission rates.

For installers, this means having a cost-effective way to demonstrate that the copper cabling was installed correctly and is capable of supporting Ethernet applications. By proving real world performance, SignalTEK CT confirms a professional job - reducing the risk of call backs.

SignalTEK CT also gives network owners the assurance that installed cabling will support bandwidth hungry services like VoIP, IP CCTV and video streaming following moves, adds and changes.



Autotest from remote unit  
for one person testing



Replaceable RJ45 contacts

## Today's challenge

The foundation of all Ethernet networks is the physical cabling. As networks become faster and more complex they become more susceptible to disruption from external interference as well as faulty cabling and or connectors. These physical layer problems can cause a high number of server re-transmissions resulting in network drop-out or slow connection speeds.

If network performance issues are to be avoided, today's installers and technicians need test equipment that not only verifies correct wiring but also confirms a link's ability to transmit data at full rate.

## Tomorrow's solution

Uniquely SignalTEK CT proves a link's ability to support Gigabit applications by performing two primary tests; **data transmission** and **wiremap testing**.

With a single press of the Autotest button, SignalTEK CT transmits 823,452 data frames between the two handsets and reports any transmission errors against performance criteria laid down by the IEEE 802.3ab Gigabit Ethernet Standard.

It takes only 1 bit of data to get corrupted or lost to give rise to a transmission test failure.

Autotest also measures cable length and checks for wiring faults such as crossed pairs, opens, shorts and split pairs.

Simple pass/fail results are displayed once the Autotest is complete which can be automatically saved for later review or download.



Send test reports from anywhere using the free app



**IDEAL**  
AnyWARE



## Step 1

### Test

- Enter job site information
- Perform autotest on copper cabling

## Step 2

### Connect

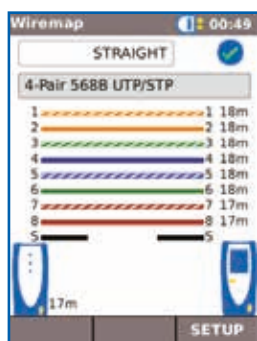
- Activate SignalTEK CT wireless hotspot
- Connect your mobile phone or tablet with the IDEAL AnyWARE App
- Transfer test reports to your mobile device
- View test reports

## Step 3

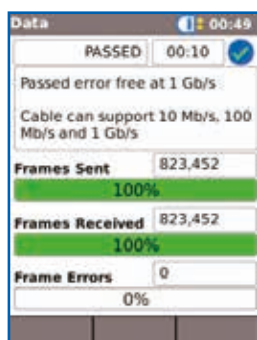
### Send

- Select reports (pdf or csv) to send
- Select preferred transfer method – email, ftp, cloud storage etc.
- Send file
- Alternatively save test reports to USB key

Download the FREE App today



Wiremap results screen



Data test results screen

## Fast & Flexible

- Fast Autotest provides proof of network performance in seconds
- Support for shielded and unshielded twisted pair cable including Cat 5e, Cat 6, Cat 6<sub>A</sub> and Cat 7 (TIA 568A and 568B wiring schemes)
- Stores up to 5000 tests to accommodate even the largest jobs
- Ability to identify and trace cables with a compatible amplifier probe (62-164)
- Use a list of wiremap templates for common Ethernet cable types including CAT 6A/7A/8, and non-Ethernet cable, such as Profinet and ISDN.

## Intuitive

- Automatic generation of PDF format test reports makes documentation effortless
- User-friendly menu structure for trouble-free operation and minimal training
- Simple cable naming and job creation enhances on-site productivity

## Dependable

- Tests against IEEE802.3ab to assure cable performance against a recognised international standard
- Field replaceable RJ45 contacts eliminate downtime from worn or damaged connectors
- Rugged design provides protection against knocks in the field
- No requirement for annual calibration reducing cost of ownership

# SignalTEK CT

## Data Cable Transmission Tester

### Proof of Performance



## Test Reporting

SignalTEK CT automatically generates test reports in PDF or CSV format.

The summary page of each report can be customised to include logo, company and operator details. Choose between 3 different reports that can show either passed, failed or all test reports in each report:

- Summary
- Brief
- Full (see example on the right side)

## Ordering Information

SignalTEK CT	
Part No.	Kit Contents
<b>R156006</b>	<b>SignalTEK CT</b> – Data Cable Transmission Tester. Includes 1 x display with touchscreen, 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 Wi-Fi adapter, 1 x user manual 1 x carry case

## Optional Accessories

Part No.	Description
<b>151052</b>	1 x alkaline battery module
<b>62-164</b>	1 x IDEAL amplifier probe
<b>150058</b>	1 x RJ45 insert extraction tool, 10 x lifejack RJ45 inserts


For replacement accessories, please visit [www.idealnetworks.net](http://www.idealnetworks.net).

## Basic Specifications

Max. No. of Jobs	Max. No. of Stored Test	Max. Length	Battery Life	Dimensions per handset in mm	Weight per handset
50	5000	181 m/593 ft.	5 hours	175 x 80 x 40	0.4 kg

For detailed specifications, please visit [www.idealnetworks.net](http://www.idealnetworks.net).





SignalTEK

CT Test Report

Job Name: MyJob

Info 1:

Info 2:

Info 3:

Info 4:

Info 5:

Info 6:

Info 7:

Info 8:

Owner: SWITH

Company: DEMMO

Address 1: PARK STR

Address 2:

City: DEMMO


State:

Zip: 12345


Country:

Phone1:

ESN: 001406-90089



PASS




The cables indicated below have been tested for wiring integrity and data performance according to the IEEE 802.3ab Ethernet Standard


Total length of cable tested

1 m

Test Name	Test Result	Data connectivity	Time taken	Pair's Status	Wiremap	Data Test	10 Mb/s	100 Mb/s	1 Gb/s	Length Limit
<div>0001</div> <div>Setup</div> <div>Result</div>										
Wiremap	Type	Standard	WEP #							
	Pair 56A: UTP-57P			72						
Cable	Line	Error	Test	Passes						
	Rate (Mb/s)	Limit (Promiss)	Time (hh:mm:ss)	Test Result	823.452	100				
	1000	0	00:00:30	Result	0	0	0			



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