

FEATURING  
**VisiLINQ™**

**NEW**

# LANTEK IV-S

**THE FUTURE OF CABLE  
CERTIFICATION**

**The most powerful and fastest  
certifier we've ever made.**



**TREND NETWORKS**

**Depend On Us**

**1.888.610.7664**

**www.calcert.com**

**sales@calcert.com**

LanTEK IV-S

# Introducing the new LanTEK IV-S

## 'S' stands for speed

This is the most powerful and fastest certifier we've ever made.

Testing  
100 links  
is now 16%  
faster

User  
interface is  
now 42%  
faster

**NEW**



# THE FUTURE OF CABLE CERTIFICATION



**Twice the CPU processing power.**  
**Now dual-core instead of single-core.**

**Twice as much RAM.**  
**Provides a faster user experience.**

**Twice the test memory.**  
**Now stores 5,000 tests vs 2,500 previously.**

**New 3.0 Software/Operating System.**  
**Offering our fastest user experience yet.**



- **7 second test time (Cat 6A)** – one of the fastest test times in the world.
- **Patented VisiLiNQ™ increases productivity** – Operate the certifier in the palm of your hand.
- **Future proof investment** – Certify links up to Cat8.1 and Cat8.2.\*
- **Certify up to 3000MHz** – Test up to 3000MHz providing room for future ratified ISO/ TIA test standards.\*
- **Label printer connectivity saves time** – Create and print complex naming conventions to a label printer.
- **No downtime or unexpected bills** – The Sapphire Care Plan will minimize down time and reduce the cost of ownership.

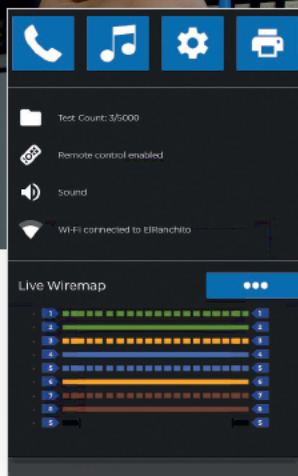
**The AnyWARE Cloud Test Management Software is now the fastest in the World**



- **Fastest Cloud test management software in the World** - Uploading tests / generating reports is even faster.
- **Easiest project navigation with drag and drop in a Cloud solution** - Navigating between the building/ room/cabinet/rack is easier than ever with collapsible folders.
- **Eliminate costly setup errors** – Pre-configure all project information in the TREND AnyWARE Cloud.
- **Live support** – Connect to the LanTEK IV-S remotely, minimizing troubleshooting time, increasing collaboration and reducing LanTEK IV-S call-backs.

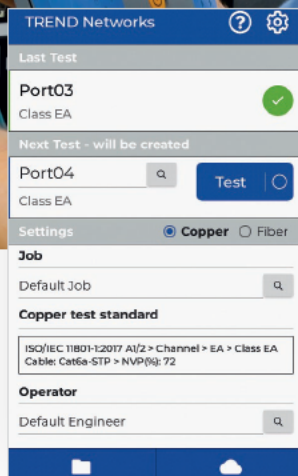
\* Applies to the LanTEK IV-S 3000MHz model only.

# Key Features



## Live Wiremap

Live wiremap displays a real-time wiremap without the need to run a full Autotest.



## Easy Setup

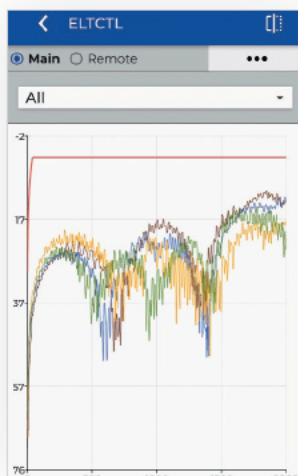
Setup job, configure copper and fiber tests and start testing from one screen.

| < Unbalanced P2P Resistance |                   |                    |                   |   |
|-----------------------------|-------------------|--------------------|-------------------|---|
| Pair                        | Value<br>$\Omega$ | Margin<br>$\Omega$ | Limit<br>$\Omega$ |   |
| 1,2-3,6                     | 0.09              | 1.29               | 1.38              | i |
| 1,2-4,5                     | 0.10              | 1.28               | 1.38              | i |
| 1,2-7,8                     | 0.01              | 1.37               | 1.38              | i |
| 3,6-4,5                     | 0.02              | 1.36               | 1.38              | i |
| 3,6-7,8                     | 0.07              | 1.31               | 1.38              | i |
| 4,5-7,8                     | 0.09              | 1.29               | 1.38              | i |

| < Unbalanced Pair Resistance |                   |                    |                   |   |
|------------------------------|-------------------|--------------------|-------------------|---|
| Pair                         | Value<br>$\Omega$ | Margin<br>$\Omega$ | Limit<br>$\Omega$ |   |
| 1,2                          | 0.02              | 0.57               | 0.59              | i |
| 3,6                          | 0.11              | 0.48               | 0.59              | i |
| 4,5                          | 0.02              | 0.58               | 0.59              | i |
| 7,8                          | 0.07              | 0.52               | 0.59              | i |

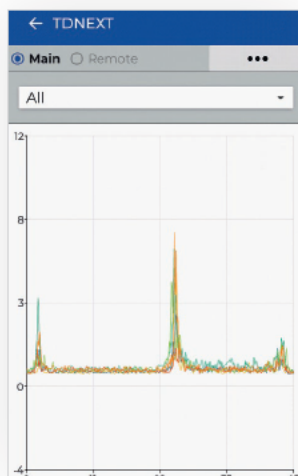
## Resistance Unbalance

Resistance Unbalance measured to ensure the cabling supports the latest PoE requirements.



## TCL/ELTCTL

TCL/ELTCTL measured to meet balance requirements for optimal performance in noisy environments.



## Troubleshooting

Every Autotest runs Time Domain NEXT and Time Domain Return Loss tests which show the distance to the location of crosstalk events, hidden connectors, splices and other cable problems.



**VisiLINQ™ enables Field Technicians to initiate testing and view the result all without the need to carry or touch the certifier.**

**Just press the VisiLINQ test button to start testing.**



**Work smarter not harder with the unique VisiLINQ™ Permanent Link Adapter**



In loud server rooms the visual indication makes for immediate identification of test status instead of relying on the simple beep of other certifiers.



**Colour key**

- Torch mode
- Connected/Ready to test
- Pass
- Marginal Pass/Fail
- Fail

Patented

## Increase speed

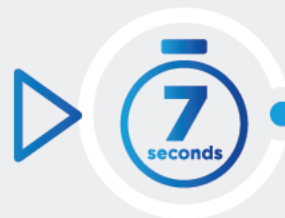
**LanTEK IV-S is the fastest Cloud enabled certifier in the world.**

**Contact us today to see how much time and money you could save using our ROI calculator.**



**Test and save a Cat 5e/6/6A test with all the required and optional measurements in just 7 seconds.**

- Wiremap
- Length
- Delay / Skew
- DC Loop Resistance
- NEXT / PS-NEXT
- Return Loss
- ACR-F / PS-ACR-F
- ACR-N / PS-ACR-N
- TCL / ELTCTL
- Pair-to-Pair DCRU / Pair DCRU
- Time Domain NEXT / Return Loss



# Test Management Software



The new TREND AnyWARE Cloud management system allows real time collaboration between Project Managers and Field Technicians. There is no need for Field Technicians to setup the LanTEK IV, Project Managers pre-configure the jobs and tests in the TREND AnyWARE Cloud, eliminating potential mistakes and compressing the time taken to prepare reports for customers and warranties.

## Cloud software

- **Operates anywhere with a web browser** – TREND AnyWARE Cloud operates on a PC, Mac and tablet devices (Android and iOS)
- **Free storage** – No need for separate servers or backup systems.
- **Easy to find project files** – Attach all project files including cable layout drawings, videos, and photos into the TREND AnyWARE Cloud. Everything you need in one place.
- **Share reports easier** – Use TREND AnyWARE Cloud to share links to the test reports eliminating the need to manually email large attachments.
- **Reduce training time with WalkMe** – TREND AnyWARE Cloud is embedded with the WalkMe digital adoption platform providing proactive, step-by-step guidance on all key tasks.



## Fleet management

- **Easily manage your certifier fleet** – Fleet manager allows you to see who has the certifier, when the software was last updated, calibration due date and when the results were last synced. Allowing you to manage tester downtime and ensuring results are transferred back to the office and not lost or deleted.

**The AnyWARE Cloud Test Management Software is now the fastest in the World - Uploading tests / generating reports is even faster**

| Test Name   | Date       | Time  | Cable standard | Test Limit LTV | Link model     | Length (m) | Headroom (dB) |
|-------------|------------|-------|----------------|----------------|----------------|------------|---------------|
| AP.01       | 28/07/2021 | 16:25 | ANSI/TIA-56... | Cat6           | Permanent L... | 17.24      | 10.70         |
| AP.02       | 28/07/2021 | 16:25 | ANSI/TIA-56... | Cat6           | Permanent L... | 17.32      | 10.60         |
| Port01      | 10/08/2021 | 13:13 | ANSI/TIA-56... | Cat6           | Permanent L... | 0.00       | 10.00         |
| Port02      | 10/08/2021 | 13:13 | ANSI/TIA-56... | Cat6           | Permanent L... | 0.07       | 16.90         |
| Port03      | 10/08/2021 | 14:09 | ANSI/TIA-56... | Cat6           | Permanent L... | 0.01       | 0.00          |
| Register.01 | 28/07/2021 | 16:25 | ANSI/TIA-56... | Cat6           | Permanent L... | 17.75      | 10.40         |
| Register.02 | 28/07/2021 | 16:44 | ANSI/TIA-56... | Cat6           | Permanent L... | 17.18      | 10.60         |
| Register.03 | 28/07/2021 | 16:44 | ANSI/TIA-56... | Cat6           | Permanent L... | 16.97      | 10.80         |
| Register.04 | 28/07/2021 | 16:44 | ANSI/TIA-56... | Cat6           | Permanent L... | 17.33      | 10.70         |
| Register.05 | 10/08/2021 | 13:12 | ANSI/TIA-56... | Cat6           | Permanent L... | 0.00       | 21.40         |

TREND AnyWARE Cloud Jobs screen



TREND AnyWARE Cloud Test Result screen



Easiest project navigation with drag and drop  
in a Cloud solution. Navigating between the  
building/room/cabinet/rack is easier than  
ever with collapsible folders.  
**Unique to the TREND AnyWARE Cloud.**

## Real time collaboration between Project Managers and Field Technicians

### Pre-configuration

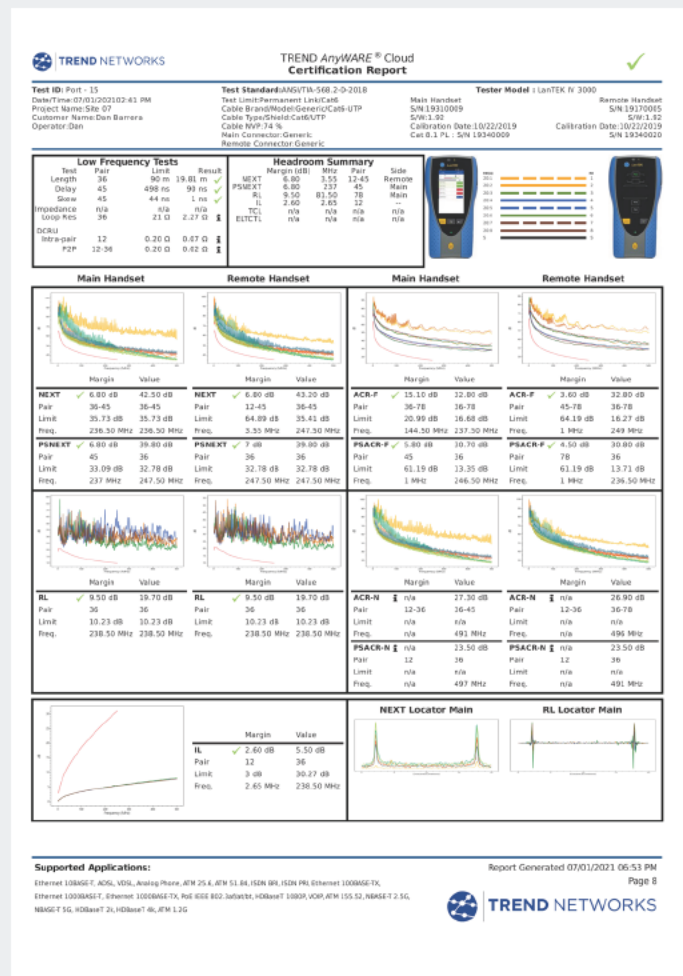
- **Reduce setup errors** – Project Managers pre-configure all project information in the TREND AnyWARE Cloud and Field Technicians simply download the project to the LanTEK IV-S eliminating any mistakes from manual data entry.
- **Create the most complex test IDs** – Easily create simple or sophisticated naming conventions required by the client.

### Troubleshooting

- **Advanced filtering** – filter tests on any field to reduce the time spent searching.

### Professional reports

- **Customer profiles** – Create a profile for each of the customers with their company logo, address and contact details. This information is automatically pulled through to the reports, saving time.
- **3 Report Formats**
  - **Standard report** – The Standard report combines the Single line and Brief report.
  - **Single line report** – This is a summary report showing multiple tests per page.
  - **Brief report** – This is a comprehensive report with all the measurement results with one page per test.



Professional PDF Report generated by the TREND AnyWARE Cloud

# LanTEK IV-S

**New COAX  
and M12  
adapters  
available in  
2022**

**New  
dual-core CPU  
inside with  
twice the  
memory**

## Voltage Protection

Provides immediate notification/  
protection if accidentally  
connected to PoE

## Partner Finder

Provides audible tone  
and visible indicator  
when connected to the  
remote unit

## Intuitive User Interface

Simplified user interface  
for easy setup and  
operation

## Touchscreen

High resolution impact  
resistant touchscreen  
for ease of use

## Beyond Cat 8 / Class II

LanTEK IV-S 3000 MHz  
exceeds highest current  
standards by 50% for  
future applications

## Complete Connectivity

Wi-Fi  
USB A  
USB C

## Live wiremap

Instant wiremap result  
before the Autotest  
begins

## Label Printer Connectivity

Easily send label IDs  
to printers for fast and  
accurate labeling

## Integrated Kickstand

Integrated Kickstand  
Allows for convenient  
placement on a desk or  
shelf for easy viewing

## Performs all extended measurements

TCL / ELTCTL  
Resistance Unbalance  
Shield integrity

## Rugged Design

Rubberized housing, protected  
screen and protected  
measurement port (Patented)



## Permanent Link Modules (VisiLINQ™)

To test and certify UTP/STP  
Cat5e/6/6A/8.1 cabling from the patch  
panel to the work area outlet. The RJ45  
tip on the Permanent Link Modules are  
field replaceable to reduce the cost  
of ownership.



## Channel Modules

Select from a wide range of Channel  
Testing Modules for various applications  
including: Cat6A RJ45, Cat8.1 RJ45,  
Cat7A/8.2 GG45, TERA, EC7, COAX  
and M12.



## Patch Cord Modules

Cat5e/6/6A testing modules are available  
for certification of patch cords to TIA  
and ISO standards. A patch cord module  
can be combined with a permanent  
link adapter to perform a Modular Plug  
Terminated Link (MPTL) test.

# FiberTEK IV

**Troubleshooting**  
Red laser light source to visually pinpoint faults and locate fiber ports

**Receive LED indicator**  
Flashes red to warn of light from other sources, green when linked to FiberTEK IV

**Certification**  
Tier-1 certification of single-mode and multimode fiber optic cabling

**Encircled Flux compliance**  
Enables compliance certification to the latest IEC and ANSI/TIA standards (optional accessory – see back page for details)

**Field calibration**  
Allows 1 and 3 jumper field calibration methods to ensure accuracy and compliance to ISO/IEC and ANSI/TIA standards

**Supports all common connector types**  
SC, FC, ST adapters included. LC adapters optional

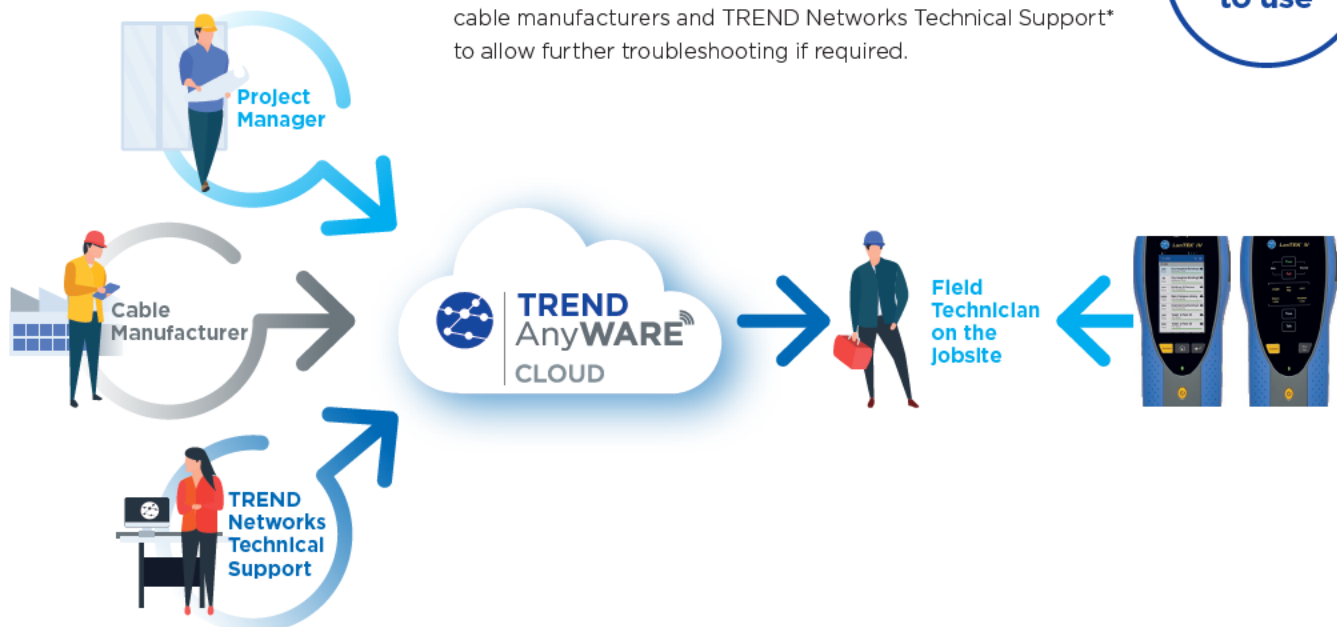
**Simplified bi-directional measurements**  
Eliminates process of manually merging directional tests into one record

**Complies with all international standards including ANSI/TIA, ISO/IEC**  
See website for full details

## TeamViewer Live Support

Project Managers can connect to a LanTEK IV-S on the jobsite using its built-in TeamViewer server to troubleshoot failed links therefore minimizing troubleshooting time, increasing collaboration and reducing call-backs. Access can be granted to cable manufacturers and TREND Networks Technical Support\* to allow further troubleshooting if required.

Now even easier to use





## Sapphire CARE PLAN

# Complete protection for your LanTEK IV-S and FiberTEK IV

The Sapphire Care Plan is designed to help minimize down time, reduce the cost of ownership and protect against unforeseen repair bills.

**Free Annual Calibration** – Maintain Accuracy

**Free Repairs** – Protect Against Unforeseen Bills

**Free Loan Unit During Repairs and Calibration** – No Downtime

**Free Online Training and Technical Support** – Improve Efficiency

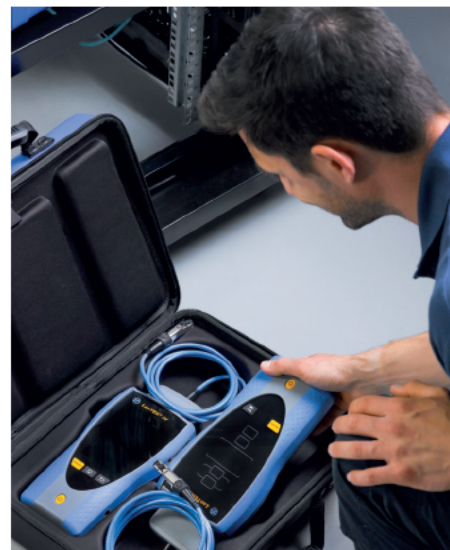
**Free Shipping** – Reduce Costs

**Free Replaceable Wear Parts** – Reduce Cost of Ownership

Every year choose from one of the following options.

- 4 x Permanent Link Adapter Tips (Pair)
- 4 x CAT6A Reference Patch Cord (Single)
- 2 x CAT6A Channel Adapter (Single)
- 1 x LanTEK III/IV-S Battery (Single)

For a full list of optional accessories, please visit our website.



## Upgrade Options

Existing customers can  
always Depend On Us

**Upgrade your existing LanTEK IV to the most powerful and fastest certifier we've ever made with one of the options below.**

### Option 1 Software and Hardware

New or existing Sapphire Care Plan customers can upgrade to a LanTEK IV-S free of charge.

### Option 2 Software and Hardware

Non-Sapphire Care Plan customers can upgrade to a LanTEK IV-S for a small fee including 12 month calibration.

### Option 3 Software only

All existing LanTEK IV customers can upgrade to the new 3.0 software Operating System free of charge.

If you're not a Sapphire customer don't worry you can purchase a 1, 2 or 3 year Sapphire Care Plan and receive the free upgrade.

**Book your upgrade today!**

Terms and conditions apply. Upgrade includes hardware and software updates at one of our Service Centres. For Sapphire Care Plan customers the free upgrade replaces the choice of free accessory in that year.



# LanTEK IV-S Cable Certifier Bundles

We have created a series of product bundles with our most popular accessories, listed below and applied a generous discount to the bundled offering. Visit our website to see how much you could save on a each bundle.

| Part No      | Quantity | Description                                      | LT4-500S | LT4-3000S | LT4-500FS | LT4-3000FS | LT4-500FOS | LT4-3000FOS |
|--------------|----------|--------------------------------------------------|----------|-----------|-----------|------------|------------|-------------|
|              |          |                                                  | Bundle   |           |           |            |            |             |
|              |          |                                                  | 1        | 2         | 3         | 4          | 5          | 6           |
| R163008      | 1        | LanTEK IV-S 500MHz (with PL/CH adapters)         | •        |           | •         |            | •          |             |
| R163009      | 1        | LanTEK IV-S 3000MHz (with PL/CH adapters)        |          | •         |           | •          |            | •           |
| SCP1YRN      | 1        | Sapphire Care Plan - 1 Year (incl. 10% discount) | •        | •         | •         | •          | •          | •           |
| R164010      | 1        | FiberTEK IV-MM LED & SM Laser Kit                |          |           | •         | •          | •          | •           |
| R164061      | 1        | FT III/IV-Cable and adapter kit LC MM 50/125µm   |          |           | •         | •          | •          | •           |
| R164062      | 1        | FT III/IV-Cable and adapter kit LC SM 9/125µm    |          |           | •         | •          | •          | •           |
| SCP1YF-PAIRS | 1        | Sapphire Care Plan - Fiber (MM and SM) - 1 Year  |          |           | •         | •          | •          | •           |
| R240-QIP     | 1        | FiberMASTER Quad OTDR                            |          |           |           |            | •          | •           |
| R240-ML-SCSC | 2        | Launch Cable, OM3, 150m, SC-SC                   |          |           |           |            | •          | •           |
| R240-ML-SCLC | 2        | Launch Cable, OM3, 150m, SC-LC                   |          |           |           |            | •          | •           |
| R240-SL-SCLC | 2        | Launch Cable, SM G.657 A1, 150m, SC-LC           |          |           |           |            | •          | •           |
| R240-SL-SCSC | 2        | Launch Cable, SM G.657 A1, 150, SC-SC            |          |           |           |            | •          | •           |
| R240-VIP     | 1        | FiberMASTER Video Inspection Probe               |          |           |           |            | •          | •           |
| SCP1YFM-Q    | 1        | Sapphire Care Plan - FiberMASTER Quad - 1 Year   |          |           |           |            | •          | •           |

| Bundle 1                                                                            | Bundle 2                                                                            | Bundle 3                                                                            | Bundle 4                                                                            | Bundle 5                                                                              | Bundle 6                                                                              |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| LT4-500S                                                                            | LT4-3000S                                                                           | LT4-500FS                                                                           | LT4-3000FS                                                                          | LT4-500FOS                                                                            | LT4-3000FOS                                                                           |
|  |  |  |  |  |  |

# LanTEK IV-S

## Cable Certifier



### Ordering information

| Part No     | Kit Contents                                                                                                                                                                                                                                                                                      |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R163008     | <b>LanTEK IV-S 500MHz Cable Certifier.</b> TIA Category 6A/ ISO Class EA. LanTEK IV Display/Remote handsets, Li-ion Battery (2), Univ. Power Adapter (2), Hang Strap (2), Quick Ref. Guide, Carry Case, CAT6A RJ45 VisiLING Permanent Link Adapters (2), CAT6A/6/5e RJ45 Channel Adapter (2)      |
| R163009     | <b>LanTEK IV-S 3000MHz Cable Certifier.</b> TIA Category 8/ ISO Class I/II. LanTEK IV Display/Remote handsets, Li-ion Battery (2), Univ. Power Adapter (2), Hang Strap (2), Quick Ref. Guide, Carry Case, CAT8 RJ45 VisiLING Permanent Link Adapters (2), Cat8.1/6A/6/5e RJ45 Channel Adapter (2) |
| TRADE163008 | Trade-In of any Cat5e (or higher) cable certifier to a LanTEK IV-S 500MHz                                                                                                                                                                                                                         |
| TRADE163009 | Trade-In of any Cat5e (or higher) cable certifier to a LanTEK IV-S 3000MHz                                                                                                                                                                                                                        |

### LanTEK IV-S Optional Adapters and Accessories

| Part No | Descriptions                                                   |
|---------|----------------------------------------------------------------|
| R163052 | LT IV-Cat6A/6/5e RJ45 Channel Adapter (Single)                 |
| R163053 | LT IV-Cat8.1/6A/6/5e RJ45 Channel Adapter (Single)             |
| R163054 | LT IV-Cat8.2 TERA Universal Adapter (Single)                   |
| R163056 | LT IV-Cat8.2 GG45 Universal Adapter (Single)                   |
| R163055 | LT IV-Cat8.2 EC7 Universal Adapter (Single)                    |
| R163057 | LT IV-Cat5e / Class D Patch Cord / MPLT Test Adapter (Single)  |
| R163058 | LT IV-Cat6 / Class E Patch Cord / MPLT Test Adapter (Single)   |
| R163059 | LT IV-Cat6A / Class Ea Patch Cord / MPLT Test Adapter (Single) |
| R161050 | LT III/IV-CAT6A/8.1 PLA Replacement Tips (Pair)                |
| R180001 | TREND Amplifier Probe                                          |

### Sapphire Care Plans for LanTEK III/IV/IV-S

| Part No                                                                                                                                                                                                                         | Descriptions                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| SCP1YRN                                                                                                                                                                                                                         | Sapphire Care Plan - Copper - 1 Year (incl. 10% discount) *  |
| SCP2YRN                                                                                                                                                                                                                         | Sapphire Care Plan - Copper - 2 Years (incl. 10% discount) * |
| SCP3YRN                                                                                                                                                                                                                         | Sapphire Care Plan - Copper - 3 Years (incl. 10% discount) * |
| SCP1YR                                                                                                                                                                                                                          | Sapphire Care Plan - Copper - 1 Year                         |
| SCP2YR                                                                                                                                                                                                                          | Sapphire Care Plan - Copper - 2 Years                        |
| SCP3YR                                                                                                                                                                                                                          | Sapphire Care Plan - Copper - 3 Years                        |
| <b>Included:</b> Free repairs, free annual calibration, free loan tester during repairs and calibration, free shipping, free firmware updates, free technical support, free replaceable wear parts. Terms and conditions apply. |                                                              |

\* When purchased within 60 days of purchasing a new LanTEK III/IV/IV-S.

### Ordering information

| Part No | Kit Contents                                                                                                                                                                                                                                                                                                                    |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R164008 | <b>FiberTEK IV-MM LED Kit.</b> Two multimode FiberTEK IV modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords, 6x 50µm MMF) compliant to ISO/IEC 14763-3 standard, quick reference guide. Compatible with LanTEK IV.                                                          |
| R164009 | <b>FiberTEK IV-SM Laser Kit.</b> Two single-mode FiberTEK IV modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords, 6x 9µm MMF) compliant to ISO/IEC 14763-3 standard, quick reference guide. Compatible with LanTEK IV.                                                       |
| R164010 | <b>FiberTEK IV-MM LED &amp; SM Laser Kit.</b> Two multimode FiberTEK IV modules, two single-mode FiberTEK IV modules, lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), SC-SC patch cords, 6 x 9µm, 6 x 50µm compliant to ISO/IEC 14763-3 standard, quick reference guide. Compatible with LanTEK IV. |

### FiberTEK IV Optional Accessories

| Part No | Descriptions                                    |
|---------|-------------------------------------------------|
| R164050 | FT III/IV-Encircled Flux 50/125um Cable SC - SC |
| R164051 | FT III/IV-Encircled Flux 50/125um Cable SC - LC |
| R164064 | FTIII/IV - LC Receiver Adapter (Single)         |

LanTEK III 500MHz cable certifier is also available to purchase. See website for details.

### Sapphire Care Plans for FiberTEK III/IV

| Part No                                                                                                                                                                                                                         | Descriptions                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| SCP1YF                                                                                                                                                                                                                          | Sapphire Care Plan - Fiber (Per Pair) - 1 Year  |
| SCP2YF                                                                                                                                                                                                                          | Sapphire Care Plan - Fiber (Per Pair) - 2 Years |
| SCP3YF                                                                                                                                                                                                                          | Sapphire Care Plan - Fiber (Per Pair) - 3 Years |
| SCP1YF-2PAIRS                                                                                                                                                                                                                   | Sapphire Care Plan - Fiber (MM and SM) - 1 Year |
| SCP2YF-2PAIRS                                                                                                                                                                                                                   | Sapphire Care Plan - Fiber (MM and SM) - 2 Year |
| SCP3YF-2PAIRS                                                                                                                                                                                                                   | Sapphire Care Plan - Fiber (MM and SM) - 3 Year |
| <b>Included:</b> Free repairs, free annual calibration, free loan tester during repairs and calibration, free shipping, free firmware updates, free technical support, free replaceable wear parts. Terms and conditions apply. |                                                 |



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