LanTEK® II Series Cable Certifier

- **Superior price/performance –** Models ranging from 350 MHz to 1000MHz available for ISO Class E/Category 6 through ISO Class F_A/ Category 7_A certification
- **High speed testing saves time and money**
- **Largest internal memory capacity of any cable certifier –** Store over 1,700 ISO Class E/ Category 6 tests with graphs
- **Patented test method –** Provides lower cost of ownership by eliminating expensive permanent link adapters
- **Exceptionally fast fibre testing with FiberTEK® FDX –** The world's first dual wavelength, bidirectional fibre certification option
- **Large, ultra-bright display –** 11 cm widescreen display with white LED backlighting provides easy viewing of high-frequency data plots
- **Futureproof your investment –** 350 MHz & 500 MHz models are fully upgradeable to 1000 MHz
- **Smart lithium-ion battery technology –** Exceptional 18 hour battery life with accurate, self calibrating charge indicator

LanTEK® II 350/500/1000

Superior performance, revolutionary fibre options and outstanding value makes LanTEK® II the ultimate cable certification platform. Choose from three models that provide the test capabilities you need today with cost-effective upgrades should these change tomorrow; choose from 350 MHz - Class E/Cat 6, 500 MHz - Class E_A/Cat 6_A or 1000 MHz - Class F_A/Cat 7_A all with accuracy verified by ETL. Productivity on the job is assured by 11-second Class D/Cat 5e and a 14-second Class E/Cat 6 autotest times that include full graphical data storage. Certification costs and efficiency are further improved by a patented universal adapter system that lets you certify most cabling with off-the-shelf patch cords. This unique feature eliminates the need for proprietary permanent link adapters.

The LanTEK® II series also offers ultimate versatility with options for Alien Crosstalk testing, certification of TERA, GG45 and EC7 Class F/F_A / Category 7/7_A, plus M12 Industrial Ethernet, and coaxial test adapters.

The optional FiberTEK® FDX modules provide the world's only dual wavelength, bidirectional fibre certification for multimode, singlemode and Gigabit applications that's 3 times faster than existing testers.

More Ways to Save

Save time and money in more ways than ever with LanTEK® II.

Universal Link Testing

The patented testing process features universal test adapters for ISO Class D/Category 5e through Class E_A/Category 6_A certification. Consequently, patch cords are typically the only item that needs to be replaced when worn out or damaged. This eliminates the expense of proprietary adapters meaning more time is spent testing and less time searching for replacement parts.

Channel and Permanent Link Testing with One Adapter

Only LanTEK® allows permanent link and channel certification without changing adapters. The patented DualMODE function allows cabling to be certified to two different standards with one press of the Autotest button; less than half the time it would take with any other certifier.

For example, certify cabling to both ISO Class E permanent link and channel link standards at the same time, satisfying requirements from cabling manufacturers and end users without costing any more time in the field.

Or certify cabling to current standards and upcoming standards, which could eliminate retesting at a later date.

Fast Test Times

ISO Class D/Category 5e certification in 11 seconds, ISO Class E/Category 6 in 14 seconds, and ISO Class E_A/Category 6_A in only 17 seconds with graphs! Plus enjoy improved productivity in the field with exceptionally fast fibre certification and 10 Gigabit Alien Crosstalk certification.

Enormous Memory Capacity

LanTEK® II offers unrivalled storage capacity. Save an astonishing 1,700 ISO Class E/Category 6 results with graphs. If the memory fills, simply off-load the data to a USB thumb drive for portability and archiving.

Cut the Power Cord

The new smart lithium battery technology provides an amazing 18 hours of use in the field. The revolutionary battery technology has two charging modes that offer the best flexibility available. Slow charge the battery overnight while it is inside the LanTEK® II, or remove the battery and plug in to its dedicated charging port for a 4 hour fast charge. Plus, the battery's internal indicator automatically self-adjusts every time the pack is completely discharged and recharged, providing accurate charge readings throughout the life of the battery pack.

Three Models to Suit Any Need

LanTEK® II is offered in three models: 350, 500 and 1000. The LanTEK® II-350 has a measurement bandwidth of 350MHz allowing it to certify ISO Class E/Category 6 cabling and below. LanTEK® II-500 sweeps to 500MHz, and is the only certifier designed specifically for ISO Class E_A/Category 6_A cabling. LanTEK® II-1000 offers an unsurpassed 1000 MHz that goes well beyond the requirements of ISO Class F/Category 7 (600MHz), all the way to the ISO Class F_A (1000MHz) standard to support shared cabling applications such as CATV, Ethernet and voice in the same cable.

Maximum Reporting Power

The new IDEAL DataCENTER (IDC) software incorporates powerful data handling features designed to improve back-office productivity. The main test grid display can be customised to display and sort by virtually any test parameter allowing for quick identification of tests that are below desired performance margins. Scanning through reports and searching for anomalies is a breeze thanks to advanced graphing capabilities. IDC offers many reporting options such as detailed, brief, and single line reports, and the facility to export data in XML, CSV and PDF formats. Plus the unique ability to customise the plots by inverting the scales, toggling between linear or logarithmic frequency scales and even adjusting colours makes IDC the most user friendly and powerful cable reporting software ever.

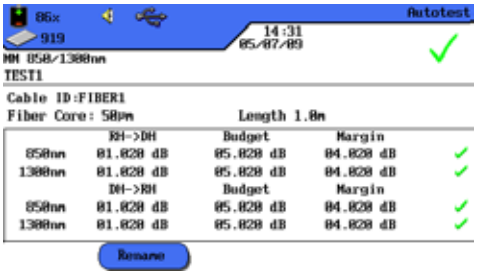
FiberTEK® FDX

Time Saving Fiber Certification

The FiberTEK® FDX option allows users to add full Tier 1 standards compliant fibre certification capability to the LanTEK® II certifiers. Tier 1 certification utilises a light source and power meter to measure the power loss of optical cabling. FiberTEK® FDX modules incorporate dual light sources and a wide range power meter to allow loss testing of fibre links as well as to measure light levels emitted from active network equipment for troubleshooting.

Three types of FiberTEK® FDX are available to suit every installation. Multimode (850/1300nm) kits are available with either LED light sources for 10/100Mbps certification, or VCSEL/laser sources for 1Gbps and faster certification of laser optimised fibre. Singlemode (1310/1550nm) kits feature laser sources as well.

Combination multimode and singlemode kits are available to further increase the FiberTEK® FDX value.



Simplified Testing

Unlike other fibre certification "add-ons" that require up to four separate steps to test each fibre at both wavelengths and in both directions, FiberTEK® FDX can accomplish this task in one easy step. FiberTEK® FDX revolutionises the whole fibre certification process by utilising a sophisticated full duplex optical module that allows each fibre to be certified in one go with no reversing of patch cords or swapping of optical modules. Four attenuation measurements plus length in one press of the Autotest button. The simplest way to certify fibre.

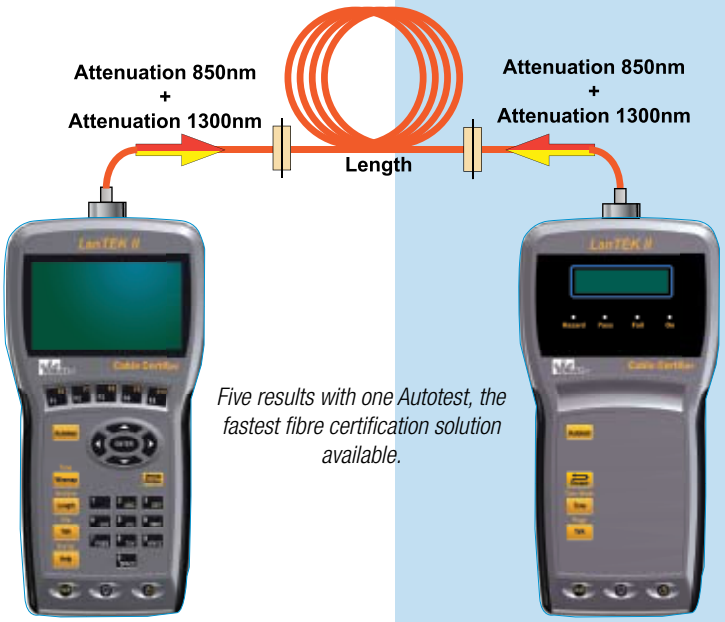
FiberTEK® FDX Key Advantages

The only solution that allows complete one-step certification of horizontal and backbone cabling without swapping fibres or modules.

Extremely fast fibre certification that complies with TIA/ISO/IEC certification standards.

Available with both LED and VCSEL/laser multimode sources for 10/100Mbps or 1/10G certification.

Real-time power meter to aid in troubleshooting active equipment. Field changeable adapters (SC, ST, FC) eliminate the need to carry multiple hybrid launch cords.



Five results with one Autotest, the fastest fibre certification solution available.

Specifications

LanTEK® II	
Handset Dimensions	Height/Width/Depth: 10 in./5 in./2.1 in. (25.4cm/12.7cm/5.3cm)
Handset Weight w/ Battery	Display: 2.4lbs/1.1kg; Remote: 2.3lbs/1.0kg
Battery	Lithium ion, 7.4V_{DC}, 6.6Ah; Input: 12V/2A DC; Typical operating time: 18 hours (new battery running a Cat. 6 test every 2.5 minutes, full backlight); Charge time: 4 hours quick charge with battery removed from handset, 6 hours inside handset.
Input Power	Handset: DC 12-15V, 2A; Line/mains power: AC 110-240V
Display	110mm wide screen TFT, 480 x 272 pixel, 95 x 54mm viewable area
Connectivity	Adapter port: 168 pin ultra low crosstalk, mini-USB device port, USB host port (display Handset only), four pin serial port (service use only), 2.5mm talkset jack, power/charging jack
Frequency Range	LanTEK II-350: 1-350MHz, LanTEK II-500: 1-500MHz, LanTEK II-1000: 1-1000MHz
Memory	Non-volatile flash, storage capacity for 1,700 ISO Class E/TIA-Cat 6 tests with graphs. Tests can be copied to USB flash drive, up to 64GB.
Measurements	Wire map, DC loop resistance length, capacitance, NEXT, insertion loss (formerly attenuation), ACR-N (formerly ACR), return loss, average impedance, propagation delay, delay skew, power sum NEXT, power sum ACR-N (formerly power sum ACR), ACR-F (formerly ELFEXT), power sum ACR-F (formerly power sum ELFEXT), alien crosstalk (with optional AXT testing kit)
Length Measurement	0 - 605m; acc. ±3% (±1m), display resolution: 0.1m
Supported Cable Types	TIA/EIA Category 3, 4, 5, 5e, 6 and 6_A: 100Ω ISO/IEC Class C, D, E, E_A, F, F_A: 100Ω Cat 6/6A Class E/E_A RJ-45 permanent link adapters: shielded and un-shielded cable, universal adapters provide channel, permanent link and basic link measurements.
Supported Connectors	Additional adapters: GG45, ARJ45, TERA, EC7 (MMCPRO3000), Coax 50-75Ω (BNC connector), M12 industrial
Tone Generator	Integrated into display and remote handset, compatible with standard analog inductive probes, selectable tone (high/low/warble) 500 Hz/600 Hz, selectable pin output.
Input Protection	100V @ 25mA
Operating Temperature	0°C to 50°C, non-condensing
Storage Temperature	-20°C to 70°C, non-condensing
Vibration/Shock	MIL-PRF-28800 F, Class 3
Supported Languages	Chinese, Czech, Danish, Dutch, English, French, German, Italian, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish
Accuracy	Baseline: Certified by ETL to meet IEC 61935 Level III/IIIe/IV; Channel/Permanent link: TIA 568-B.2-2 and IEC 61935 Level III/IIIe/IV
Warranty (LanTEK® II/FiberTEK® FDX)	One (1) Year from date of purchase Batteries and accessories are warranted 90 days from date of purchase
IDEAL DataCENTER PC-Software	Requirements: Microsoft Windows® XP or Vista, 512MB RAM, 500MB hard disk + 1GB for every 1,500 Category 6 tests
FiberTEK® FDX	
Compatability	LanTEK® II (any model)
Connector	User changeable adapter (SC, FC, ST), 2.5mm ferrule
Laser Safety	Multi-mode 850 VCSEL: class 3, 5mW max; multi-mode 1300 laser: class 3, 5mW max; Single mode 1310 & 1550: class: 3, 5mW max
Power Meter Accuracy	± .5dB from 0dBm to -40dBm 850-1550nm; system dynamic range 40dB
Length Accuracy	±3%; maximum distance measurement 3000m
Display Resolution	Power/attenuation: 0.1dB, length: 0.1m/0.1ft

Cat #	Description
33-991	LanTEK II-350: TIA/EIA Cat. 6, ISO Class E certifier w/ Cat. 6 adapters
33-992	LanTEK II-500: TIA/EIA Cat. 6_A, ISO Class E_A certifier w/ Cat. 6_A adapters
33-993	LanTEK II-1000: TIA/EIA Cat, 7_A, ISO Class F/F_A certifier w/ Cat. 6_A adapters
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, Cat. 6_A F/FTP patch cords, USB cable, IDEAL DataCENTER data management and reporting software, two headsets, hanging straps, calibration and ETL accuracy certificate, quick reference guide, user manual on CD.	
33-990-FA01	FiberTEK® FDX Multimode (850/1300nm) kit with LED light sources for standard multi-mode fiber, 850nm LED, 1300nm LED
33-990-FA02	FiberTEK® FDX Multimode (850/1300nm) kit with VCSEL/laser light sources for laser optimized fiber, 850nm VCSEL, 1300nm FP laser
33-990-FA03	FiberTEK® FDX Single mode (1310/1550nm) kit with laser light sources for single mode fiber, 1310nm FP laser, 1550nm FP laser
33-990-FA04	FiberTEK® FDX Combination MM/SM kit with LED MM sources and laser SM sources (33-990-FA01 & 33-990-FA03)
33-990-FA05	FiberTEK® FDX Combination MM/SM kit with VCSEL/laser MM sources and laser SM sources (33-990-FA02 & 33-990-FA03)
Contents: Two FiberTEK® FDX modules, semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea), SC-SC patch cords (MM kits: 3 x 62.5µm, 3 x 50 µm; SM kits: 3 x 9 µm) compliant to ISO/IEC 14763-3 standard, quick reference guide, and electronic operation manual.	

Preliminary data sheet, specifications subject to change.

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IDEAL INDUSTRIES, INC.
Becker Place, Sycamore, IL 60178, USA / 815-895-5181 • 800-435-0705 in USA

International offices:
Australia • Brazil • Canada • China • Germany • Mexico • Puerto Rico • UK

For complete sales office contact information, visit us at:
www.idealindustries.co.uk

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