



LANTEK[®] 6 LAN Cable Certifier



- Fully compliant with Category 6/ISO E draft standards
- Full Category 6/ISO E AutoTest, with graphs in approximately 25 seconds
- Tests CAT 7/ISO F limits up to 350 MHz
- Advanced link adapter method provides more versatility and reduces cost of ownership
- Built in TDR ready for copper and fiber
- First fiber accessory for a copper tester that traces fiber runs, displays distance to and magnitude of events
- Display unit comes with 1/4 VGA color screen, remote unit comes with two-line black and white LCD display
- Serial and USB ports for uploading tests and upgrading firmware
- Two full-function PCMCIA slots accept compact flash memory and provide for future capabilities

LANTEK 6 is a fully compliant Category 6/ISO E cable tester with a frequency range up to 350 MHz. Performing full Category 6/ISO E Autotests with graphs in approximately 25 seconds, LANTEK 6 will get you through your jobs faster than ever. Plus LANTEK 6 is fully upgradeable to LANTEK 7 giving you maximum flexibility as test standards evolve.

LANTEK 6 utilizes an advanced link adapter method to reduce cost of ownership. LANTEK 6 comes with a pair of Category 6/ISO E channel adapters. These channel adapters fit into the case of the unit and are locked in place. This creates a stable and repeatable testing platform while eliminating bulky adapters extending beyond the end of the unit. By simply plugging in a Category 6/ISO E reference patch cord to the channel adapter, you can now perform Category 6/ISO E permanent link testing. Should the plug ever wear out the patch cord is replaced rather than the entire assembly reducing lifetime cost of ownership.

Among the LANTEK 6 accessories are the industry's most advanced fiber options, FIBERTEK and TRACETEK. FIBERTEK enables loss, length, bi-directional testing over two fibers, and talkset over fiber capabilities for 850 and 1300 nm Multimode and 1310 and 1550 nm Singlemode fiber.

TRACETEK is the first fiber accessory for a copper tester that will trace a fiber run, locate distance to events along the fiber, and measure the magnitude of the event. This capability can eliminate the need for a more costly OTDR in campus network environments.



LANTEK 6 is fully upgradeable to LANTEK 7, protecting your investment and giving you the maximum flexibility in meeting your evolving certification needs.



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The LANTEK 6 display unit comes with the brightest 1/4 VGA color screen in the industry. The remote unit has a two-line black and white LCD display to enhance communications, and can initiate an AutoTest to increase productivity in one-person operations. Both units have an overmolded edge to function in the harshest environments.

Along with serial and USB ports, LANTEK 6 comes standard with two full-function PCMCIA slots to accept compact flash memory and provide for future capabilities. This allows for virtually unlimited test storage with graphs keeping your unit in the field. LANTEK 6 comes with LANTEK Reporter PC software that can upload stored tests from the serial or USB ports, or compact flash memory and can create brief, summary, or detailed certification reports for your clients.

Get through your jobs faster than ever today and prepare yourself for the future with LANTEK 6.

LANTEK 6	Range	Resolution	Accuracy
Length (50- 100 Ω cable)	0 – 2000 Ft	1 ft.	±(3% + 3 ft.)
Delay	0 – 8000 ns	1 ns	±(3% + 1 ns)
Average Impedance	35 – 180 Ω	0.1 Ω	±(3% + 1 Ω)
Capacitance (Bulk)	0 – 100 nF	1 pF or 3 dig	±(2% + 20 pF)
Capacitance	0 – 100 pF/ft.	0.1 pF	±(2% + 1 pF)
DC Loop Resistance	0 – 200 Ω	0.1 Ω	±(1% + 2 Ω)
Attenuation	1 – 350 MHz	0.1 dB	Level III*
NEXT	1 – 350 MHz	0.1 dB	Level III*
Return Loss	1 – 350 MHz	0.1 dB	Level III*
ELFEXT	1 – 350 MHz	0.1 dB	Level III*
Noise Floor	< -90 dB		
Dynamic Range	> 90 dB		

* Level III only specified to 250 MHz

Autotest Storage Capacity (Internal Memory)*	
No Graphics	Up to 6,000 Tests
With Graphics	Up to 100 Tests
Autotest Storage Capacity (External 32 MB Flash)*	
No Graphics	Up to 24,000 Tests
With Graphics	Up to 400 Tests with 32 MB Up to 3,200 Tests with 256 MB
* Depending on Autotest Categories	
Autotest time (250 MHz)	Approx. 25 seconds
Standard Test Compliance	ANSI/TIA/EIA 568B, Category 6 (Draft), ISO C/D and ISO E (draft), AS/NZS 3080, IEEE 802.3 Ethernet, EN50173, EN50173.A1
Cable Types	UTP/ScTP/FTP; CAT 3/5e/6; ISO C/D/E (Channel, Basic, and Permanent Link) IBM STP Type 1,2,6, Coax
Dimensions	10.1" x 5.0" x 2.3" Display & Remote 256mm x 127mm x 58mm Display & Remote
Weight	2.3 lb (1050g) – Display 2.0 lb (914g) – Remote 1.2 lb (548g) - Battery
Battery Packs	NiMH (rechargeable)
Typical Operating Life (Battery)	8 hrs
Max. Operating Temp.	0°C – 50°C
Max. Storage Temp.	- 20°C to + 70°C
Humidity	5-90 % noncondensing

LANTEK 6 comes standard with all the items necessary to certify your job and create certification reports:

	LANTEK 6	LANTEK 6P
Soft Carry Case	✓	
Display unit with battery	✓	✓
Remote unit with battery	✓	✓
LANTEK Reporter Software	✓	✓
Serial and USB cables	✓	✓
Two AC wall adapters	✓	✓
Two talksets	✓	✓
User manual	✓	✓
Quick Start Guide	✓	✓
Registration Card	✓	✓
Included are the following adapters and Patch cords:		
Two Category 6 channel adapters	✓	✓
Two Category 6 Reference Patch cords	✓	✓
Premium Package:		
Hard carry case		✓
PCMCIA adapter		✓
32 MB compact flash		✓
USB port flash reader for PC		✓
Offline battery charger		✓

Field calibration does not require a special adapter. It is accomplished through connecting a patch cord between the channel adapters.

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