LANTEK® 7 LAN Cable Certifier

The LANTEK 7 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 7 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 7 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.

Don't limit yourself to Category 6/ISO E. LANTEK 7 allows you to certify the most advanced installations.

LANTEK 7	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	1-750 MHz	0.1 dB	Level III*
NEXT	1-750 MHz	0.1 dB	Level III*
Return Loss	1-750 MHz	0.1 dB	Level III*
ELFEXT	1-750 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 * Depending on Autotest Categories	Up to 400 Tests with 32 MB Up to 3,200 Tests with 256 MB
Autotest time (250 MHz)	Approx. 25 seconds
Autotest time (600 MHz)	Approx. 35 seconds
Standard Test Compliance	ANSI/TIA/EIA 568B, Category 6 (Draft), ISO C/D and ISO E/F (draft), AS/NZS 3080, IEEE 802.3 Ethernet, EN50173, EN50173.A1
Cable Types	UTP/ScTP/FTP CAT 3/5e/6/7; ISO C/D/E/F (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 7 comes standard with all the items necessary to certify your job and create certification reports:

	LANTEK 7	LANTEK 7P
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 7 channel adapters	✓	✓
Two Category 7 Reference Patch cords	✓	✓
Two Category 7 to 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.