

Category 5 Cable Testing At An Affordable Price.

Your Opportunity For Increased Cable Testing Is Easier and Less Expensive Than Ever.

Now those bigger and more profitable cable installation and certification jobs can be yours with the newly designed LT 8100 cable tester from Wavetek. You get all the features you need in one easy-to-use unit, at a price that offers you the best price/performance available.

- *Full Category 3, 4, & 5 and Class C, D certification testing.*
- *Complete Enhanced Category 5 Autotests in less than 10 seconds.*
- *Complete diagnostics testing for troubleshooting.*
- *Easily upgrade to any LT 8000 Series cable tester.*
- *Save time and increase productivity with a design that works the way you do featuring built-in:*
 - *Tone Generator*
 - *Talkset capability*
- *Work accurately and confidently with an instrument that provides fast results in an accurate and easy-to-use design.*
- *Locates source of failure with supporting data.*
- *Integrated storage for Autotest records.*
- *Cable record management software included.*
- *Measures Power Sum NEXT and ACR up to 100 MHz.*



SPECIFICATIONS TABLE

Parameter	Range	Resolution	Accuracy	Other
Length	0-1100 ft.	1 ft.	±(3%+3 ft.+NVP)	Propagation Rate: 0.5-0.99c
Delay	0-4000 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 (per ft.)	0-100 pF/ft.	0.1 pF	±(2% + 1 pF)	
DC Loop Resistance	0-400 Ω	0.1 Ω	±(1% + 2 Ω)	
Attenuation	1-100 MHz	0.1 dB	±0.6 dB at CAT 5/ Class D Limit	Measurement Range: 0-70 dB Freq. Step Size (kHz): 150, 250
NEXT	1-100 MHz	0.1 dB	±1.6 dB at CAT 5/ Class D Limit	Measurement Range: 0-70 dB Freq. Step Size (kHz): 150, 250
Return Loss	1-100 MHz	0.1 dB	±2.0 dB at Class D Limit	Measurement Range: 0-30 dB Freq. Step Size (kHz): 150, 250

A New Opportunity In Cable Testing.

Current Certification Standards and Troubleshooting Too

Complete testing of Category 5 Level III and ISO Class D certification standards make this advanced cable tester perfect for any certification job. With powerful diagnostic testing capabilities the LT 8100 is also ideal for troubleshooting and moves, adds and changes.

Price/Performance Beyond Compare

Offering the best price available in a Category 5 tester, the LT 8100



The perfect tool for certifying all cable installation jobs, the LT 8100 is easy to operate and reports results in an easy-to-understand pass/fail format. When failures do occur, the LT 8100 helps pinpoint the source of the failures, such as the *location* of a wire map error.

provides advanced features such as Power Sum, ELFEXT, data retention of more than one year, and much more.

Proven Reliability and Durability

Drawing on more than three decades of leadership in test equipment design and manufacturing, the entire LT 8000 family of testers offers unmatched reliability and accuracy. Built to withstand the most rugged of work conditions, every Wavetek cable tester is field ready.

See Your Wavetek Distributor For a Free Cable Tester Demonstration Today.

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Storage Capacity:	150 Autotests
Test Standard:	TIA TSB-67 Level III
Compliance:	ISO 11801 EN 50173 DIN 44312-1
Cable Types:	UTP/ScTP/FTP CAT 3,4,5 (Basic & Channel) IBM STP Type 1,2,6 Coax: 10Base2, 10Base 5
Dimensions:	10" x 4.25" x 2.5"
(Display & Remote)	250mm x 108mm x 64mm
Weight:	1.75 lb (800g)-display 1.6 lb (728g)-remote
Battery Packs:	NiMH
External Source:	12 Vdc, 800 mA cont.
Typical Oper. Life (Battery):	8 hrs
Compliance & Cert:	CE & UL/CUL
Max. Operating Temp:	0°C - 50°C
Max. Storage Temp:	-20°C to + 70°C
Humidity:	5 - 90% noncondensing

Optional: Extended Troubleshooting Module.

TDR (Z vs. Length)

Distance Range:	0 - 1100 ft.
Distance Res:	1 ft.
Imped Range:	0 - 400 Ω
Imped Resolution:	0.1 Ω
Imped Accuracy:	±(3% + 1 Ω)

Average Noise

Range:	0 - 2 Vrms
Bandwidth:	40 Hz - 100 MHz
Resolution:	10 mVrms
Accuracy:	±(3% + 20 mVrms)

Impulse Noise

Count Range:	0 - 999 cnts/sec
Threshold Range:	0 - 2 V
Threshold Res:	10 mV
Threshold Accuracy:	±(5% + 20 mV)
Min. pulse width:	10ns above threshold

Traffic Monitor

Utilization Range:	0 - 100%
Collision & Jabber Detection	
Continuous Monitor:	24 hr max
Link Pulse:	Every 50 ms

The Only Cable Testers You'll Ever Need™

Your Local Representative:

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