

## 990LT CopperPro Light

### Field Upgradeable Next Generation Telecom Installation and Maintenance Test Set

- Affordable entry level I&M test set packed with advanced testing capability
- Field upgradeable options add functionality when and where you need it without down time.
- Protects your investment in equipment, procedures and training
- Supports voice, special services, ADSL, ADSL2+ and VDSL

Broadband technology continues marching forward. Today, advanced high-speed services in the access network are quickly becoming the rule rather than the exception.

Unfortunately, basic installation and maintenance test sets for front line technicians haven't kept pace.

That is, until now.

The 990LT CopperPro test set provides technicians with the basics they want, as well as the advanced capabilities they need to support the broadband services of today and tomorrow.

The "LT" in 990LT stands for "light", but in name only. The 990LT is built on the same advanced platform used in some of the world's most notable next generation network build-outs. In its base configuration, it delivers the core functionality needed to test and troubleshoot copper telecom circuits quickly, easily and affordably. A broad range of capabilities are included: basic metallic tests like voltage, resistance, opens, balance and noise. Voice band transmission testing, including automated dial-up and terminated test routines are also available, along with load coil detection, a precision resistive fault locator, and impulse noise detection with 17.7 MHz bandwidth.

Multi-mode DSL modems are also available to verify services from ADSL G.Lite to VDSL2, and virtually everything in between.

One of the most significant capabilities of the 990LT CopperPro is the ability to add testing features when and where you need them.

You can add one of the most advanced TDRs available to provide powerful fault locating functionality, including the exclusive TDR Auto Test, which both locates and labels common faults, including short bridge taps. Also available are bandwidth extensions for ADSL2+ and VDSL, providing you with broadband qualification, noise and spectral analysis functions. Each can be installed in the field quickly and easily without the inconvenience of down time or the added expense of shipping.

With the 990LT CopperPro you get proven technology in an affordable package that you can enhance easily as your needs change, while protecting your investment in equipment, procedures and training.

For more information on the CopperPro family of test sets, contact your local Fluke Networks representative, or visit us on the web at <http://www.tescomusa.com>.



## 990LT CopperPro Configurations

990LT (Base Model)		990LT/TDR Option	990LT/DSL Option	990LT/VDSL Option
<b>Included Test Functions</b>		<b>Adds These Tests to Base Model</b>	<b>Adds these features to the Base Model</b>	<b>Adds these Features to the DSL Option</b>
POTS Auto-Test	Voiceband Noise	TDR Auto Test	DSL Auto Test to 2.2 MHz	DSL Auto Test to 17.7 MHz
DSL Modem Test (Optional Modem Required)	Voiceband Loss	Pair 1 Test	Broadband Noise/Level 2.2MHz (up to ADSL2+)	Broadband Noise/Level 17.7 MHz (up to VDSL)
Voltage (AC/DC)	Voiceband Longitudinal Balance	Pair 1 and 2 Compare	Broadband Loss 2.2 MHz (up to ADSL2+)	WB Loss 17.7 MHz (up to VDSL)
Shorts and Grounds (Resistance)	Voiceband Tone Generator	Pair 1-2 Difference	Broadband Long Balance 2.2 MHz (up to ADSL2+)	Broadband Long Balance 17.7 MHz (up to VDSL)
Opens/Capacitance	Automatic Dial-Up Test	Pair 1 Monitor	Broadband Tone Generator to 2.2 MHz (up to ADSL2+)	Broadband Tone Generator to 17.7MHz (up to VDSL)
Load Coils Counter	Terminated Voiceband Test	Pair 2 to 1 Crosstalk	ADSL Auto Test	ADSL Auto Test
Leakage Stress Test	Loop Current and Ground Ohms	Recall Trace	ADSL Verify Test	ADSL Verify Test
Loop Devices Detector	Line Monitor and Dial Set	Compare Recalled Trace to Pair 1	Terminated Broadband Test to 2.2 MHz (up to ADSL2+)	Terminated Broadband Test to 17MHz (up to VDSL)
Tracing Tone Generator	Broadband Impulse Noise Counter (17.7 MHz)			
<i>Multi-Mode ADSL, ADSL2, ADSL2+ (ATU-R) ADSL, ADSL2, ADSL2+, VDSL (xTU-R and xTU-C) Golden Modem Options Available</i>				

For more information on CopperPro test set specifications, ask for the CopperPro Series II brochure #2734896 and Golden Modem Options data sheet #3209589.

## Ordering Information

Model Number	Description
990LT	CopperPro II Next Gen Loop Analyzer (basic)
990LT/TDR	TDR option for 990LT
990LT/DSL	DSL option (2.2 MHz) for 990LT
990LT/VDSL	VDSL option (17.7 MHz) for 990LT w/DSL option Installed
990-GM/2	ADSL, ADSL2, ADSL2+ Golden Modem for 990 Series II
990-GM/V-2	ADSL/VDSL Golden Modem for 990 Series II



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