

# 990DSL CopperPro

## Copper Loop Qualification Tester

### Thirteen reasons CopperPro is the better test set

1. Test Call Waiting and Caller ID, as well as standard CID and ANI
2. Get longer TDR range, thanks to 2500 and 5000 nS pulse
3. Built-in stress test
4. Bridge unobtrusively onto active circuits (ADSL and specials) and see level and noise at all frequencies
5. Find intermittent problems with bargraphs, monitor modes and min/max peak recording
6. Shoot TDRs in the presence of up to 250V
7. Zero in on the source of tough circuit noise problems with built-in power harmonics analyzer
8. Quickly identify crosstalk sources with built-in disturber masks
9. Pinpoint noise spikes that knock down specials with wideband impulse noise test
10. Verify longitudinal balance at high frequencies. Identify problems that don't show up at lower frequencies
11. Verify DSLAM provisioning and presence of customer modem with ADSL Verify Test
12. ADSL and xDSL service qualification (with rate prediction for ADSL)
13. Identify the type of fault as well as distance to it with the unique, one-button TDR AutoTest

The CopperPro family of loop testers from Fluke Networks provides all technicians working in the outside plant a full complement of testing, fault locating and qualification capabilities in a single, rugged, handheld test set. CopperPro is easy to use. Fast. And it offers more capability than any other single loop test set.

### Installation and maintenance

CopperPro makes fast work of installing and maintaining service. The one-button POTS AutoTest helps you quickly document status before and after work is complete. And all the basic tests you expect are there, as well – ac and dc voltage, loop current, circuit noise, balance, leakage and Caller ID/ANI. Verify DSLAM and modem on ADSL lines. Make fast work of loss and slope tests with its automated dial-up tests. Even a dial set with phone number storage is built in.

### Cable construction and repair

Use CopperPro's unique TDR AutoTest to both locate and identify faults. But that's not all. Find shorted or open pairs fast. Count and locate load coils. Locate high resistance faults precisely, no matter the cable make up. Step-by-step instructions make set up a breeze.



### Pair up with Terminator for fast, easy, one-tech-out terminating testing

With the companion Terminator, qualifying pairs for voice or data services is easy. In fact, it's the only solution that meets manufacturers' requirements for HDSL2 and HDSL4 qualification – including loop attenuation – with one technician in less than two minutes. Together, they're a proven way to reduce failure frequency, wasted dispatches and rebates.



**BellSouth approved product**



## BellSouth configurations

Two test set configurations are available to BellSouth, making it possible to match the capabilities needed to your budget.

	Feature	CopperPro 990	
		DSLWT/BS	DSL-C/BS
<b>POTS Testing</b>	Voltage	Standard	Standard
	Shorts and Grounds	Standard	Standard
	Opens	Standard	Standard
	R.F.L.	Standard	Standard
	Load Coils	Standard	Standard
	Leakage Stress	Standard	Standard
	Loop Devices	Standard	Standard
	Tracing Tone	Standard	Standard
	VF Noise	Standard	Standard
	VF Loss	Standard	Standard
	VF Long. Balance	Standard	Standard
	Send VF Tone	Standard	Standard
	POTS Auto Test	Standard	Standard
	Dial-up Tests	Standard	Standard
	Terminated VF Tests	Standard	Standard
	Monitor Line	Standard	Standard
<b>Wideband Testing</b>	Wideband Noise/Level	Standard	Optional
	WB Loss	Standard	Standard
	WB Long. Balance	Standard	Standard
	Send WB Tone	Standard	Standard
	ADSL Auto Test	Standard	Optional
	ADSL Verify Test	Standard	Optional
	XDSL Auto Test	Standard	Optional
	Terminated WB Tests	Standard	Standard
	Impulse Noise	Standard	Standard
<b>TDR Capabilities</b>	Pair 1 Test	Standard	Standard
	Pair 1 & Pair 2 Compare	Standard	Standard
	Pair 1-2 Difference	Standard	Standard
	Pair 1 Monitor	Standard	Standard
	TDR Auto Test	Standard	Standard
	Pair 2 to 1 Crosstalk	Standard	Standard
	Recall Trace	Standard	Standard
	Compare Recall & Pair 1	Standard	Standard

**Optional:** Available as 990DSL-SA-UGX Upgrade.

## Ordering Information

Item #	BellSouth PID	Description
990DSLWT/BS	624020186	CopperPro Basic+TDR+Wideband+Spectral Analysis
990DSL-C/BS	513030668	CopperPro Basic+TDR+Wideband
990DSL-SA-UGX	514030667	Upgrade Spectral Analysis, Field Installed
990TL-S	625020185	Replacement Test Leads Set (Spike)
BP7235	626020184	Extra Battery Pack
BC7217 120	627020183	External Charging Stand 120V
990-CASE	628020182	Deluxe Transport Bag
TN2100	303042055	Terminator
TN2100 & 990DSLWT	446042228	Terminator/CopperPro

## ADSL and special services

Qualifying pairs and analyzing noise problems are no problem for CopperPro. The one-button xDSL AutoTest will get you pass/fail results for all popular services, from ISDN to T1. And the ADSL AutoTest gives you a complete picture of performance capability, including loss, noise and bits-per-tone, and estimated upstream and downstream speed.

### Each set includes:

- Extensive on-line help
- Internal results storage, both text and graphical
- RS-232 Serial interface for printing, uploading results to a PC, and downloading firmware for the test set
- Rugged weather-resistant handheld design
- High-resolution, backlit LCD display
- Graphical operator prompts and tests results
- Typical 16-hour battery life, with easy-change NiMH battery and user settable power save feature
- Replaceable test leads with spike clips
- Strapping cord, protective bag with shoulder strap and strand hook
- Rubber shock absorbing holster
- AC power supply
- 12-Volt vehicle charger
- Wire gauge
- Users guide

### For more information

For more information or to contact your local Fluke Networks Representative, call **(800) 283-5853**. Or send email to [copperpro@flukenetworks.com](mailto:copperpro@flukenetworks.com).

### NETWORK SUPERVISION

**Fluke Networks**  
P.O. Box 777, Everett, WA USA 98206-0777

**Fluke Networks** operates in more than 50 countries worldwide. To find your local office contact details, go to [www.flukenetworks.com/contact](http://www.flukenetworks.com/contact).

©2006 Fluke Corporation. All rights reserved.  
Printed in U.S.A. 1/2006 1673438 B-ENG-N Rev F