





Quick Start Guide



Powering up your CopperPro.

The green  key in the lower right hand corner of the key pad functions as both an Off and On button. Press and hold briefly to turn the set on. A screen showing information about the 990 hardware and software will be displayed briefly. The main menu will appear. To turn the set off, press the key again.

Running the Auto Tests.

CopperPro's main screen displays up to four AutoTests, depending on the model and options you have. To highlight a test, use the  and  keys. To adjust the set-up for the test, highlight it, and select the Setups menu option. To run the test, press the  key.



CopperPro's primary navigation keys


Running individual tests like voltage or resistance.

Individual tests are available in the three Toolboxes displayed at the bottom of the display. Press the key beneath the menu choice to enter a toolbox. Then use the arrow keys to select the test you want to run. To alter the setups for the test, first highlight the test, then select the Setups menu option.

Voltage	Shorts & Grounds	Opens	R.F.L.
Load Coils	Leakage Stress	Loop Devices	Tracing Tone
VF Noise	VF Loss	VF Long. Balance	Send VF Tone
POTS Auto Test	Dial-up Tests	Terminated VF Tests	Monitor Line
(Measure AC & DC Voltage) Press TEST to Start			
POTS	XDSL	TDR	Setups

Measuring loop current.





Connect the black (tip), red (ring) and green (ground) leads to an active pair.

Select the **POTS Toolbox** and highlight **Dial-up Tests** and press . Select **Loop Cur. & Gnd Ω**. CopperPro will go off-hook, measure loop current and ground resistance between the central office and the point of testing.

Loop Current & Ground Ohms			
Loop Current = 25.3 mA			
Ring-Ground Current = 44.7 mA			
Ground Ohms = 96.9 Ω			
Contin. Loop Cur.	Contin. RG Cur.	Contin. Gnd Ohms	Setups



Measuring loop resistance.

Select the **POTS Toolbox**. Highlight **Shorts & Grounds**. Select **Setups** and set cable gauge and temperature. Use the   keys to highlight the set up. Select Edit to change the entry. Press  to save. Short far end of the tip and ring conductors using the strapping cord. Then press . Calculate resistive length by selecting **Ohms to Distance** then **Convert to Distance** and the loop length will be displayed.





Getting help.

You can get help for any test by highlighting the test and pressing the  key.





Zeroing the test leads.

Select User Options by pressing the yellow  key, then the  key. Use the arrow keys to highlight Zero Test Leads and press  and follow instructions.


Setting date and time.

Select User Options by pressing the yellow  key, then the  key. Use the arrow keys to highlight Time/Date and press . Highlight field to change with cursor keys. Press Edit soft key to enter edit mode, and  to save.


Adding phone numbers to the dialer.

Select User Options by pressing the yellow  key, then the  key. Use the arrow keys to highlight **Phone Numbers** and press . Use the arrow keys to select a blank line. Select **Edit** and enter the digits to dial. Press  to save.


Saving test results.

Text results are automatically saved by default. Graphic results such as TDR plots, slopes and noise graphs offer the option to save by pressing . Enter a description in the **Remarks** area.



Viewing stored test results.

Press the  key. Choose the type of results you want to view. See the Users Guide for more information about printing or uploading results to a computer.




Using the yellow shift key.

CopperPro functions that are used infrequently are accessed through **shifted** keys. These include **Home**, **Print Screen**, **Alphanumeric**, **User Options**, **volume** and **contrast** controls. The shift key is the yellow  key in the lower right corner of the keypad. The shift function is sticky – that means you don't have to hold down the shift key as you press the next key. The function will stay active until you press the shift key again.


Using the dial set.

Connect the 990 to an active phone line. Press the  key to go off-hook. Select Phone Numbers menu to access stored numbers, or dial phone number manually. When you are done with the call, press the  key again to go on-hook.

Determining which version of software is installed.

Select User Options by pressing the yellow  key, then the  key. Use the arrow keys to highlight **System Version** and press . Software version and as other details are displayed.


Clearing a locked up CopperPro.

If for some reason your CopperPro is not responding, press and hold the green  power button for at least six seconds. The CopperPro will reset and restart.




Locating Caller ID tests.

Select the POTS Toolbox and highlight Dial-up Tests and press . Select **More. On-Hook** and **Call Wtg Caller ID** tests menus will be displayed.



Backlight.

Turn on the display backlight by pressing the  key. The backlight is low power to maximize battery life. It is not very noticeable in bright light, but does provide ample light to view the display in the dark.

Changing speaker volume.

Press the yellow  shift key. Use the  to increase volume, and the  to decrease volume.

Changing display contrast.

Press the yellow  shift key. Use  to decrease contrast, and the  to increase contrast.

Setting the POTS Auto-Test for active or inactive lines.

CopperPro will determine the state of the line automatically and run the appropriate tests for either condition. *Software version 2.21 or greater.*

Getting the latest software.

The latest software is available from the web. Go to **www.flukenetworks.com/support** and choose Software Downloads. See the Users Guide for details on installing new software.

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

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