

Fluke Networks™ 990DSL CopperPro Testing

Course Length	Two (2) days
Course Code	1391
Prerequisites	None, however a Copper Fundamentals course is extremely helpful.
Course Overview:	This course is focused on providing an I&M/Repair technician a hands-on training course on the operation of the CopperPro tester as well as results interpretation and troubleshooting guidelines.

*** This course can be customized or combined to meet specific system requirements ***

Course Outline

Product Overview

- Hardware Overview
 - Graphical Display
 - Buttons
 - Connectors
 - Battery
 - Cables

990DSL CopperPro™



Overview of CopperPro Applications

- Toolbox
 - POTS
 - xDSL
 - TDR
- Test Setup Menus
- Graphical pictorial test setup
- Graphical pictorial results
- Calibrating the unit
- Running self tests
- Auto-Testing

Basic Copper Tests

- Butt Set/POTS Dialer
- DC Tests (Resistance, Voltage, Current...)
- AC Tests (Capacitance, Tones/Signal...)



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Fluke Networks™ 990DSL CopperPro Testing

POTS Testing

- POTS Technology Review
- Basic Dial Set
- POTS Auto-Test
- Current/Voltage Measurements
- Opens/Capacitance Measurements
- Resistive Faults
- Noise Testing
- VF Tone/Loss Testing

DDS

- Technology Review
- Installation and Maintenance Testing

xDSL Overview

- xDSL Technology Overview
 - ADSL
 - ISDN
 - HDSL/HDSL2/HDSL4
 - T1/DS1
- Auto-Testing (ADSL, xDSL, G.)
- WB Testing
- Physical Pair Testing
- ATU-C/ATU-R testing
- DSLAM Verify Test

Time Domain Reflectometer (TDR)

- Overview of TDR testing
- Settings
 - Prop Velocity
 - Pulse Width
- Graph Interpretation
- Maneuvering TDR pulses
- Saving/Deleting Traces

Product Support Functions

- Remote Control
- Printing
- System Controls/Information

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