

# Fluke Networks™ 990DSL CopperPro I&M



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<b>Course Length</b>	Two (2) days
<b>Course Code</b>	NFSCP1
<b>Course Title:</b>	Fluke Networks 990DSL CopperPro I&M
<b>Prerequisites</b>	None, however a Copper Fundamentals course is extremely helpful.
<b>Course Overview:</b>	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 \*\**

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## Course Outline

### Product Overview

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

990DSL CopperPro™



### Overview of CopperPro Applications

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

## **POTS**

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

## **xDSL Overview**

- xDSL Technology Overview
  - ADSL
  - ISDN
  - DDS
  - 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