



Digital Test Using 16900 Logic Analyzers

Course Overview

Course Numbers:

H7240A-105 Open enrollment scheduled by Agilent

H7240B-105 Dedicated delivery at customer site

Quickly learn practical concepts of logic analysis and the operation of the Agilent 16900 series Logic Analyzers

Overview

This one-day course class will increase your knowledge of logic analysis as a tool to design and debug digital systems. Examples and demonstrations teach you to configure and operate the Agilent 16900 series of logic analyzers. This course is recommended for new users of logic analyzers. Optionally, experienced logic analyzer users may learn advanced triggering concepts.

Audience

Engineers and technicians who need to solve digital design and testing problems using logic analyzers

Course Type

Instrument Operation Training

Length

1 day

Delivery Method

Classroom training that may be scheduled at Agilent locations or, to save you time and travel, delivered at your

site. Agilent can provide the required equipment, or you can save money by furnishing your own.

Course Format

Lecture, instructor-led demonstrations, and optional hands-on labs when student PCs are available

What you will learn

- Fundamentals of logic analysis
- When to use State and Timing mode measurements
- How to configure and operate the Agilent 16900 series logic analyzers and plug-in modules
- The advantages and uses of various triggering modes
- How to configure the analyzer to measure high-speed signals

Prerequisites

Attendees should have a basic understanding of digital circuits. Experience using logic analyzers is helpful.

Detailed Course Agenda

- Introduction to Logic Analysis
- 16900 Product Overview
- Timing Mode with Demonstration
- State Mode with Demonstration
- 16900 Graphical User Interface (GUI) and Analysis Features
- Optional Hands on Exercises with the GUI if students have access to a PC for the class
- Triggering
- Counters and Store Qualification with Demonstration
- Timing Zoom and Chart Mode with Demonstration
- EyeFinder
- Sample Position and EyeFinder Demonstration
- Flags with Multiple Analyzers with Demonstration
- Probing



Ordering Information

For a Dedicated class held at your site for up to 8 people, order:

H7240B-105: Digital Test Using 16900 Logic Analyzers, at customer's site

Agilent schedules some open enrollment classes at Agilent-provided sites. For current availability, visit www.agilent.com/find/education

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H7240A-105: Digital Test Using 16900 Logic Analyzers

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