

Advanced technique for using semiconductor measurement systems

Course Overview

The goal of this course is to teach you advanced techniques for use of the Agilent Technologies V1200, V1300, and V3300 Semiconductor Measurement Systems.

You will learn about redundant repair, use of multiple time sets and other advanced techniques.

What You Will Learn

- Advanced Buffer Memory and ECR
- Debugging
- Component Testing using Terminal Commands
- Address/Data Multiplexing
- I/O Writes and I/O Reads
- Redundancy Repair
- Use of the Sequencer Buffer Board
- Timing Rules
- Active Loads
- Pin Multiplexing Mode
- PPMU

Specifications

Course Type

Programmer training

Audience

Semiconductor test engineers and systems engineers who program the V1200, V1300, and V3300

Prerequisites

The successful completion of E7086A+24D; the Agilent V1200, V1300, and V3300 Basic User/ Programmer Training Class or equivalent

Course Number E7086A+24P Scheduled

Agilent V1200/V1300/V3300 Advanced Programmer Training

Overview

Course Length

5 days

Course Format

Approximately 50% lecture and 50% hands-on labs with exercises

Delivery Method

Scheduled (at Agilent training locations)

Detailed Course Agenda

Day 1

- System Overview and Review
- Data Sheet Review
- Advanced Buffer Memory/ECR
- VOS Terminal Command
- Debugging
- Component Testing Using Terminal Commands
- Lab-Using Terminal Commands

Day 2

- Address/Data Multiplexing
- I/O Writes and I/O Reads
- Redundancy Repair
- Lab-Redundancy Repair

Day 3

- Sequencer Buffer Board
- Sequencer
- Period Generator
- Programmable Power Supplies for Pin Electronic Active Loads
- Clock Distribution and Buffering
- Micro RAM
- Lab-Advanced 28F010 Data Sheet Test Program



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Day 4

- V3300 Pin Electronic IO Board and How They Differ from V1200 and V1300
- Vector Memory
- Per Bit ECR
- CAM
- Drive Timing/Formatting
- Compare Timing/Formatting
- IO Timing/Formatting
- Timing Architecture
- Timing Rules
- Active Loads
- Pin Multiplexing Mode
- PPMU
- Other Test Program Instructions and Terminal Commands
- Summary of Specifications
- Lab-Advanced 28F010 Data Sheet Test Program

Day 5

- Super Advanced V1200, V1300, and V3300
- Wrap-Up
- Evaluation and Feedback

At the completion of this class, the attendee will be able to develop test programs on V1200, V1300, and V3300 Test Systems using advanced techniques and commands.

For the latest information on class schedules and locations, visit our website: www.agilent.com/find/tmeducation By internet, phone, or fax, get assistance with all your test and measurement needs.

Online Assistance

www.agilent.com/find/assist

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