ASL visualATE 6.x Applications eLearning

Market Leading Low-Cost Mixed Signal and Analog Test Solutions
Course # 0086e

Automotive

Mobility

IoT/IoV & Optoelectronics

Computing & Network

Industrial & Medical

Consumer

Course Description

This eLearning material introduces the student to the basic ASL system instruments. Upon completion of the course, the student will be able to understand the basic functions of the MUX, DVI, OVI, TMU, PV_3, ACS, and DDD instruments. The student will also acquire the knowledge to program these instruments.

Login information for the online materials will be emailed upon confirmation of registration.

Course Outline

Functional Overview and Programming of:

- System Hardware Foundation
- Resource Multiplexer (MUX)
- Dual Voltage/Current Source (DVI)
- Octal Voltage/Current Source (OVI)
- Time Measurement Unit (TMU)
- High Voltage/Current Generation with PV_3
- AC Source (ACS)
- Digital Driver Detector (DDD)
- Software Foundations

Course Length

- Self-paced - approximately 3 hours

Prerequisites

- Six months test programming experience

Recommended

- C or C++ programming
- Familiarity with MS Windows Operating System
- English - written and spoken

- **Multisite capability resulting in higher throughput**
- **20 instrument slot configuration**
- **Air cooled architecture and instruments**
- **Compact low power technology**

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Course Modules

1 - System Hardware Foundation
- ASL1000 hardware components
- ASL1000 testhead and user test interface

2 - Resource Multiplexer (MUX)
- MUX overview
- MUX programming instructions

3 - Dual Voltage/Current Source (DVI)
- DVI hardware overview
- DVI programming instructions
- DVI programming examples

4 - Octal Voltage/Current Source (OVI)
- OVI hardware overview
- OVI programming instructions
- OVI programming examples

5 - Time Measurement Unit (TMU)
- TMU hardware overview
- TMU programming instructions
- TMU programming examples

6 - High Voltage/Current Generation with PV3
- PV3 hardware overview
- PV3 programming instructions
- PV3 programming examples

7 - AC Source (ACS)
- ACS hardware overview
- ACS programming instructions
- ACS programming examples

8 - Digital Driver Detector (DDD)
- DDD hardware overview
- DDD programming instructions
- DDD programming examples

9 - Software Foundations
- Software foundations: launching visualATE and creating lists
- Test functions: creating and adding Test functions and subtests
- Test program source code: generating, editing and building test program source code
- Test program creation: creating a new test program and enabling function list
- Operator mode
- Engineering mode

Who Should Attend
- Test program development engineers
- Test program support engineers

Course Cost
Free of charge for all Cohu Semiconductor Tester Customers.

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