

---

# V1000/V2100 User and Programmer Training

## Technical Data

**HP Education Services:  
Your Key to Higher  
Productivity**

---

### Course Overview

This Course teaches you how to write test programs for VK1000 and VK2100 test systems.

Lectures focus on test program development and debug, and also present pertinent details of the tester hardware and operating system software.

Daily hands-on laboratory work includes writing your own test program code for parametric and functional tests.

### Course Features

- VK Test System Overview
- Tester Hardware Overview
- Tester Operating System Software Overview
- Test Program Structure
- Test Program Commands
- Test Program Compilers
- VOS Terminal Commands
- Plan and Configuration Files

### Specifications

#### Course Length

5 days

#### Audience

VK test program, test program developers and test engineers.

#### Prerequisites

Familiarity with PC Operation, DOS, and C programming language; basic semiconductor device testing knowledge.

#### Delivery Method

Classroom, Dedicated

#### Format

Approximately 40% lecture and 60% hands-on labs and exercises.

### Classroom Training Benefits

#### Experienced HP Instructors

Learn from an experienced HP instructor who is an expert in using and applying instrument systems to meet your measurement needs.

#### Comprehensive Student Materials

Receive valuable references to assist you when you are back on the job.

#### Available at HP Classrooms or Your Site

Take advantage of HP's learning facilities, equipment, and interactive learning environment by attending class at one of HP's education centers. Or, save travel expenses and time by organizing a dedicated class at your location.

#### Regularly Scheduled Classes

Plan training months in advance.

---

## V1000/V2100 User and Programmer Training (E7082A+24D)

### Detailed Course Agenda

When you complete this course you will be able to operate V1000 and V2100 test systems. You will also be able to read, debug and write test programs for V1000 & V2100 test system.

#### Day 1

- System Introduction
- System Architecture Overview
- Programmable Power Supplies
- PMU, PPMUs, and ADC
- Example Parametric Tests

#### Day 2

- Tester Software Overview
- Plan and Configuration Files
- Test Program Overview
- SHELL.C
- Test Program Compilers
- Basic System Operation
- Lab Project 1

#### Day 3

- V1000 Pin Electronics
- Pattern Generator: Vector Mode
- Example Functional Tests
- More VOS Terminal Commands
- Lab Project II

#### Day 4

- Pattern Generator: APG Mode
- Buffer Memory
- Error Catch RAM
- More VOS Terminal Commands

#### Day 5

- V2000 Pin Electronics
- Lab Project III
- Wrap-Up

### Other Information

This class covers operations of the V1000 Pin Electronics, V2000 Pin Electronics, 64k-Vector Pattern Generator Board, 8-Megabit Buffer Memory & Error Catch RAM Board, and Standard Programmable Power Supply & PMU Board. It is a necessary introduction to, but not a complete description of the 256k-Vector Pattern Generator, 32-Megabit Buffer Memory & Error Catch RAM Board, and High-Resolution Programmable Power Supply & PMU Board

### Ordering Information

To order the V1000/V2100 User and Programmer Training (E7082A+24P) course in the U.S., call 1-800-HPCLASS (800-472-5277).

HP's Customer Registration Center can provide you with price, scheduling, and enrollment information, as well as provide information about dedicated delivery (E7082A+24A).

Outside the U.S., contact your nearest local HP sales office.

### Region Sales Headquarters:

#### United States:

Hewlett-Packard Company  
Test and Measurement Organization  
5301 Stevens Creek Blvd.  
Bldg. 51L-SC  
Santa Clara, CA 95052-8059  
(408) 246-4300

#### Canada:

Hewlett-Packard Ltd.  
5150 Spectrum Way  
Mississauga, Ontario L4W 5G1  
(905) 206-4725

#### European Headquarters:

Hewlett-Packard S.A.  
150, Route du Nant d'Avril  
1217 Meyrin 2 - Geneva, Switzerland  
(41) 22/780 8111

#### Japan:

Hewlett-Packard Japan Ltd.  
NAF Bldg.  
3-8-20 Takaido-higashi  
Suginami-ku  
Tokyo 168  
(03) 3335-8111

#### Latin America:

Latin America Region Headquarters  
Monte Pelvoux No. 111  
Lomas de Chapultepec  
11000 Mexico, D.F. Mexico  
(525) 202 0155

#### Australia/New Zealand:

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street, Blackburn  
Victoria 3130, Melbourne, Australia  
(03) 895-2895

#### Far East:

Hewlett-Packard Asia Ltd.  
17-21/F Shell Tower, Times Square  
1 Matheson Street, Causeway Bay  
Hong Kong  
(852) 2506-9285

Technical information in this document is subject to change without notice.

Copyright Hewlett-Packard Company 1997. All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited, except as allowed under copyright laws.

Publication Number 5965-6737E

Printed in USA 5/97