

Keysight Technologies 3070 In-Circuit Test

Programming for GenRad Experts

H7230A & B, Options 190 & 191

Ordering Information—Which Class is Right for You?

Converting to Keysight Technologies, Inc.?

Wouldn't it be great if your GR programmers could seamlessly work on your Keysight test system too? Wouldn't you like to know the differences, major and subtle, between programming a GenRad ICT system and programming a Keysight in-circuit test system? Now you can with Keysight's 3070 Programming for GenRad Experts. It's your choice—either a Keysight trainer or a Keysight Channel Partner will come to your site to teach your GenRad programmers how to program on the Keysight 3070. You will learn the Keysight 3070 board test development process, learn how to create library elements, learn Keysight file structures and more from the perspective of a proficient GR ICT programmer. Not only will you learn these essentials, but you can have the opportunity to troubleshoot on your own fixtures with your own boards. Through this class, you will learn tips and techniques that will give you a head start on the Keysight 3070 test system.

Description

All of the Keysight 3070 Programming for GenRad Experts training classes are five-day courses; you choose the site (on site at your company, or at a Keysight site), and you choose your trainer—a Keysight trainer or a Keysight Channel Partner. No matter what class you choose, your GenRad 227X and GenRad 228X programmers will learn the fundamentals of the Keysight 3070 test system. Students become proficient using Keysight 3070 board test software and hardware and cover the majority of the information in Keysight's two-week Users Fundamentals class (without ICT programming basics), in half the time. Upon taking any of the Keysight 3070 Programming for GenRad Experts courses, students will:

- Understand the Keysight 3070 Board test development process.
- Become familiar with the operation and use of the three 3070 software Consultant utilities (board, test, and fixture).
- Be able to create a 3070 board test.

- Be able to create library elements for devices of type part, analog, digital, and mixed.
- Understand the interrelationships between board test files.
- Understand the different Keysight 3070 hardware available, machine types, and card types.

Topics Covered

- Keysight 3070 Unix File Structure
- Board Test File Structure
- Board Test Development Overview
- Board Consultant
- Test Consultant
- Fixture Consultant
- Analog Test Techniques
- Digital Test Techniques
- Powered Analog Test Techniques
- Mixed Signal Test Techniques
- Powered Analog Test Techniques
- Push Button Debug
- Testability Analysis
- Testjet Testing
- The wirelist file

Prerequisites/Eligibility

Students should have a solid background and comfortable working knowledge with the following topics:

- In-circuit programming on at least one major GenRad platform
- In-circuit test methods
- Digital logic devices
- Analog device types

Genrad In Circuit Programming Guide

Lingsheng Yao



Genrad In Circuit Programming Guide:

Digital Circuit Testing Francis C. Wong, 2012-12-02 Recent technological advances have created a testing crisis in the electronics industry smaller more highly integrated electronic circuits and new packaging techniques make it increasingly difficult to physically access test nodes New testing methods are needed for the next generation of electronic equipment and a great deal of emphasis is being placed on the development of these methods Some of the techniques now becoming popular include design for testability DFT built in self test BIST and automatic test vector generation ATVG This book will provide a practical introduction to these and other testing techniques For each technique introduced the author provides real world examples so the reader can achieve a working knowledge of how to choose and apply these increasingly important testing methods **Electronics Buyers' Guide** ,1979 IEEE Autotestcon Proceedings ,1986 **Proceedings** ,1986

Insulation/circuits ,1981 Includes a special annual issue Insulation circuits directory encyclopedia **Evaluation Engineering** ,1994 *Test Engineering* Patrick D. T. O'Connor, 2001-06-22 Testing is usually the most expensive time consuming and difficult activity during the development of engineering products and systems Development testing must be performed to ensure that designs meet requirements for performance safety durability reliability statutory aspects etc Most manufactured items must be tested to ensure that they are correctly made However much of the testing that is performed in industry is based upon traditions standards and procedures that do not provide the optimum balance of assurance versus cost and time There is often pressure to reduce testing because of the high costs involved without appreciation of the effects on performance reliability etc Misperceptions are commonplace particularly the idea that tests should not stress products in excess of their operating levels The main reason for this situation seems to be that engineers have not developed a consistent philosophy and methodology for testing Testing is seldom taught as part of engineering curricula and there are no books on the subject Specialist areas are taught for example fatigue testing to mechanical engineers and digital device testing to electronics engineers However a wide range is untaught particularly multidisciplinary and systems aspects Testing is not just an engineering issue Because of the importance and magnitude of the economic and business aspects testing is an issue for management Testing is perceived as a high cost activity when it should be considered as a value adding process The objective of this book is therefore to propose a philosophy of engineering test and to describe the necessary technologies and methods that will provide a foundation for all plans methods and decisions related to testing of engineered products and systems The book will help those who must manage and conduct this most difficult and uncertain task It will also provide a text which can be used as the basis for teaching the principles of testing to all engineering students **Computerworld** ,1985-11-18 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld's award winning Web site Computerworld.com twice monthly publication focused conference series and custom research form the hub of the world's largest global IT media network Digest of Papers

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