

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

Ordering Information—Which Class is Right for You?

Standard Training using Keysight instructors, materials and equipment means no logistical hassles to worry about—just attend class!

- H7230A Opt 190 “Programming for GenRad Experts”; 4.5 days, this class is taught at a Keysight site using Keysight instructors and is a great idea if you have small numbers of programmers, or students from different companies interested in learning the Keysight 3070. This is also practical if access to your 3070 is not possible. Pricing is per student.
- H7230B Opt 190 “Programming for GenRad Experts”; 5 days. This class is taught at your site using Keysight instructors, Keysight materials and Keysight equipment (practice fixture and practice boards and student workstations). This is a good choice if you don’t have easy access to your 3070 or programming stations. Pricing is per site.

Customized training by a neutral party experienced in both GenRad and Keysight ICT programming allows you to learn on your own equipment, using your own fixture and boards.

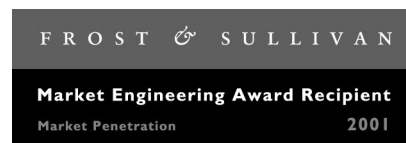
- H7230B Opt 191 “GR to 3070 by 3070 Channel Partner”; 5 days. This class uses Keysight training materials and your equipment (fixture and boards). The foremost benefit of this class is that you will be learning from an active GR programmer in the industry with personal experience. Additionally, this class is a good choice if you have an adequate number of 3070 student training stations for the number of programmers you wish to train. Pricing is per site.
- H7230A Opt 191 “GR to 3070 by neutral 3rd party”; 5 days. This class is also taught by a Keysight Channel Partner, and is essentially the same, but we will ship in Keysight equipment for your use during the class. This class is a good choice if you have more programmers you want to train than you have 3070 programming stations available, for Keysight will provide the programming stations. Pricing per site for the class, with an additional charge for the use of Keysight equipment.

Call your local Keysight representative for a quote

Additional Migration-to-Keysight Training and Services

Keysight’s Electrical Manufacturing Test Services Network (EMTSN) can assist you with other migration services, even having these services appended to the above training classes. If you choose Option 191 above (training on a known GR production board of yours) the class can be extended to include the entire test development process, including debug, on the Keysight 3070 that will result in a fully working Keysight 3070 program and fixture! conversions that you would like to have performed. Keysight can also arrange for fixture adapters, board translation services, and other custom solutions to help you manage your multi-vendor test environment more effectively. Ask your local Keysight representative for more about the EMTSN today.

The Keysight 3070 In-Circuit Test (ICT) System is flexible test on a global scale. Its four key attributes—agile test technology, worldwide business services, constant innovation and global presence—make the 3070 a perfect fit for electronics manufacturing. No other platform provides the flexibility required to thrive and survive in a chaotic world.



For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus



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