

Modular Functional Test

Keysight Technologies
and Circuit Check, Inc.

Accelerate the deployment of your production test strategy with a modular approach to functional test

The time to develop and deploy functional test solutions can be the critical path item when moving new products from design to manufacturing. Creating customized functional test solutions can be costly and time-consuming. Production test systems based on a modular approach can accelerate the deployment of functional test solutions in your manufacturing environment.

The CCI 1089 Configurable Production Test Platform from Circuit Check has been designed to give the modularity required for rapid and predictable functional test system development. The CCI 1089 uses hardware and software modules that can be configured easily to meet your exact functional test needs. It includes a standard base platform design with drop-in/replaceable product interfaces and pre-designed pneumatic, power distribution, and safety sub-systems.

A system can be configured in one of three sizes: single, double, and triple enclosure. A single enclosure configuration supports one detachable fixture and is used for lower volume and/or low complexity testing where the required instrumentation will fit within a single rack. A double enclosure system supports one larger or two smaller detachable fixtures and is used for mid-volume and/or mid-complexity testing. The triple enclosure accommodates up-to three fixtures and provides space for a large instrument set for higher volume or more complex applications.



- Modular functional test solution for rapid system development
- Based on configurable hardware and software modules
- Hardware includes pneumatic, power, and safety subsystems
- Available in single, double, and triple enclosure format
- Configurable with Keysight power supplies, instruments and switching,
- Modular software for rapid program development
- Accelerates production test strategy deployment

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The test platform can be configured with a wide range of Keysight Technologies instrumentation, switching and power supplies such as the Keysight N4010A wireless connectivity test set, Keysight 34980A multifunction switch/measure unit, Keysight 34921A 40-channel armature multiplexer and the Keysight E3645A 80 W power supply.

The choice of Keysight instrumentation depends on the specific test application. Circuit Check has provided modular functional test systems for applications that include smart meters, ZigBee radio testing, electric brake controllers, medical devices, RF communications testing and Bluetooth® radio testing.

Circuit Check's modular software, called CCITest, allows rapid program development and enables a single program to test multiple product part numbers concurrently and asynchronously while efficiently sharing test instrument resources.

Circuit Check supports all aspects of the system development including electrical and mechanical design, software development, fabrication, system integration, deployment and support. With a modular functional test system from Circuit Check based on Keysight instrumentation you can accelerate the deployment of your production test strategy.

System Components

Keysight Technologies

N4010A	Wireless connectivity test set
34980A	Multifunction switch/measure unit
34921A	40-channel armature multiplexer
E3645A	80 W power supply

Circuit Check

CCI 1089	Configurable production test platform
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To learn how this solution can address your specific needs please contact
Keysight's solutions partner,
Circuit Check, Inc.
www.keysight.com/find/cci



Keysight & Solutions Partners
Extending our solutions to meet your needs

Keysight and its Solutions Partners work together to help customers meet their unique challenges, in design, manufacturing, installation or support. To learn more about the program, our partners and solutions go to
www.keysight.com/find/solutionspartner

Circuit Check, Inc. has, for over thirty years, been a leader in the design and implementation of automated production test systems for electronic and electromechanical products.
www.circuitcheck.com

For information on Keysight Technologies' products, applications and services, go to
www.keysight.com