Keytek E4551

Combined Surge and EFT Coupler/Decoupler Module

In Stock

Used and in Excellent Condition

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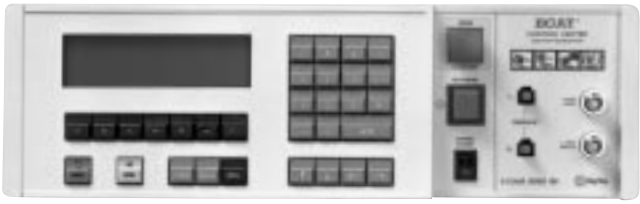
ECAT®

Model E100

E100 Series Control Centers



Manual or computer controlled control centers and power units necessary for the operation of any ECAT.

FEATURES

- **Virtual Front Panel™ (VFP) control with 8 x 40 character LCD display:** Keyboard entry system and display that allows the operator to see all vital test parameters at a glance without having to scroll through a list (Models E101 and E103).
- **FiberCom™ fiber-optic interface and control system** using KeyTek's exclusive ECAT® software for full computer control of ECAT test equipment (user supplied IBM compatible computer, 486 with 8MB RAM and Windows® 3.1 or 3.11 with one available serial port recommended minimum configuration); (Models E102 and E103).
- **Includes one module bay** for 1 full width plug-in module or 2 half-width modules. Additional bays and/or S-BASE for floor standing systems are available.
- **Surge V and I monitor ports for waveform monitoring** at 1kV/V and 200A/V to allow surge waveforms to be monitored with an external, user supplied oscilloscope; V and I signals supplied from optional AC coupler/decouplers or appropriate ECAT module/options.

SYSTEM BENEFITS

- **The ECAT is configurable as a compact, standalone system** with one test capability or as an integrated, multiple capability tester.
- **Unparalleled safety features** for high voltage testing, including a complete interlock system that not only disables simulator operation if activated, but completely removes AC mains power from the EUT, when using any KeyTek AC mains coupler/decoupler.
- **Automatic report generation** using KeyTek's exclusive Windows®-based software.
- **Modular system construction** provides the ability to upgrade test capabilities as requirements change or evolve.
- **Single port testing for Surge, EFT and PQF™** mains coupled disturbances allows changing test modes without switching off power to the EUT. This avoids lost time due to re-initializing the EUT between tests.

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Model E100

ECAT

EXPERT COMPUTER AIDED TESTING

Expert Computer Aided Testing (ECAT®) allows you to **Plan** tests, to **Test** EUT's, to **Analyze** test results, and to **Report** results. ECAT software programs are used to perform EMC immunity and emissions testing including Surge, EFT and PQF (Power Quality Failure). Programs will also operate in a simulation mode, which allows tests to be developed and debugged without the ECAT hardware.

ECAT software includes SurgeWare™, BurstWare™, PQFWare™, plus other features required for control, analysis and reporting.

Control Center Alternatives

Model	VFP Control	FiberCom™ Control System	Surge V&I Monitor Ports
E101	✔	–	✔
E102	–	✔	✔
E103	✔	✔	✔

SPECIFICATIONS AND TOLERANCES

ELECTRICAL

Input Voltage:	90V to 240VAC, 50/60 Hz
Typical Input Current:	3.5A at 100V; 1.5A at 240V (Actual input current will depend on the number and type of ECAT Modules in the system.)

AC input connectors are available for most national and international standards. Contact KeyTek sales department for a complete list of supported connectors.

ENVIRONMENTAL

Operating Temperature:	15° to 35° C
Operating Humidity:	10% to 75% non-condensing

PHYSICAL

Includes the control center and one B-ECAT docking bay that will accept one full-width or two single-width modules. Up to five B-ECAT docking bays can be added for a maximum configuration of six docking bays (three or more docking bays require the S-ECAT).

Height:	39.4cm (15 1/2")
Width:	34.4cm (17 1/8")
Depth:	57.8cm (22 3/4")
Weight:	15.6kg (34 lbs.)

MINIMUM SYSTEM REQUIREMENTS

One ECAT Module

For additional ECAT® product literature call, email or fax the KeyTek sales department.

ECAT: AN EXTRAORDINARY CONCEPT IN EMC TESTING FOR VULNERABILITY TO SURGE, EFT AND POWER QUALITY.

ECAT is a totally integrated and modularized system which offers unprecedented testing ease, accuracy and versatility to manufacturers, test houses, and anyone who will be testing for effects of Pulsed EMI.

ECAT is designed to test products according to a broad range of international standards developed by ANSI, the IEC, CENELEC and other agencies. The European Norms, developed by CENELEC, became mandatory on January 1, 1996 for all equipment shipped into the European Union or shipped across EU borders.

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