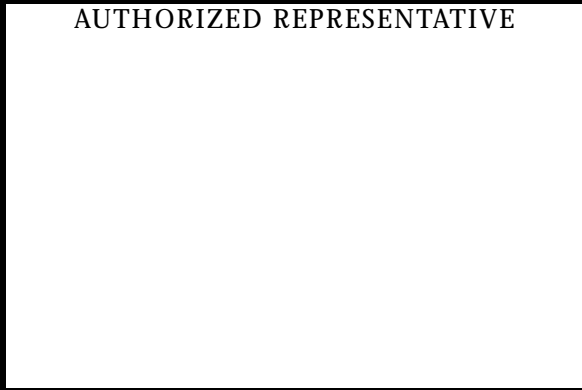


Thermo KeyTek



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AUTHORIZED REPRESENTATIVE



EMC Pro[®] 1089

3-Terminal Bellcore GR-1089-CORE
1st & 2nd Level Lightning Surge Tester

Thermo KeyTek

A Thermo Electron business

By Reason, The Highest Installed User Base. Thermo KeyTek.



NEW!

EMCPro[®] 1089

3-Terminal Bellcore GR-1089-CORE Lightning Surge Tester 1st & 2nd Level and Intra-Building Lightning Requirements

Introducing the EMCPro[®] 1089 Surge Tester from Thermo KeyTek, the worldwide leader in EMC test technology.



EMCPro[®] 1089 is the answer to telecommunications equipment manufacturer's

demands for a fully-configured test system designed specifically to test to Bellcore and NEBS lighting requirements.

And, in fact, it's the only Bellcore GR-1089-CORE and NEBS-related tester to offer true 3-terminal testing for all surge waveforms, at such an attractive price.

The EMCPro[®] 1089 tester is packed with all the features you need to start testing to these requirements within minutes of uncrating it.

And best of all, it's as easy to use, as it is affordable.

Unsurpassed Test System Value and Efficiency

The EMCPro[®] 1089 operates via Thermo KeyTek's proprietary Windows[®]-based PC software, enabling you to sequence tests as appropriate. In addition, it can be operated from the front panel.

Key features include:

- Isolated Posts for Tip and Ring
- Independent Tip and Ring Current Monitor Ports
- Independent Tip and Ring Voltage Monitors
- Sync Output for ease of Waveform Monitoring
- External Interlocks for safety

These features enable you to:
• Perform lightning surge tests in accordance with Bellcore and

NEBS requirements

- Meet the primary waveform requirements to telecom lightning test, per Bellcore GR-1089-CORE
- Eliminate dependence on commercial test houses
- Reduce costs, speed time to market and increase productivity

The EMCPro[®] 1089 is fully configured. All required surge waveforms for 1st and 2nd level and Intra-building lightning tests are built in, and there are no additional options to buy.

Furthermore, it does not require complex programming to achieve your surge test objectives. Basically, you just plug the tester into a power source, connect the instrument to be tested to the 3-terminals on the front panel, set test parameters and sequences, and go.

It's just that easy.

One Vendor, Many Solutions

With true 3-terminal capability and a remarkably affordable price, the EMCPro[®] 1089 meets and exceeds the requirements for most telecom engineering and manufacturing test challenges related to NEBS and Bellcore GR-1089-CORE.

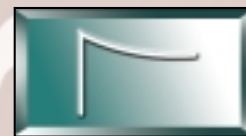
However, if testing AC or DC mains is also a requirement, our popular EMCPro[®] base (sold separately) running the PRO-SURGE test module option can fit the bill (please see sidebar for information on this tester and available EMCPro[®] test modules).

And if you need still more, such as 5-terminal tests, 12 pair tests, or surges for coaxial lines, ask about Thermo KeyTek's ECAT[®] Test System. With its modular, multi-capability architecture, ECAT[®] is the premier test system used



to meet Bellcore, NEBS, FCC and CE marking requirements (see our web site for details: www.thermokeytek.com).

Thermo KeyTek offers a 5 year warranty program for the EMCPro[®] 1089 subject to the purchase of an annual calibration by Thermo KeyTek or an authorized Thermo KeyTek service center. EMCPro[®] 1089 customers are supported by Thermo KeyTek's in-depth service and calibration capabilities throughout North America, Europe, and the Pacific Rim. Customers have the option of factory or on-site calibration programs to accommodate their testing schedules and budgets.



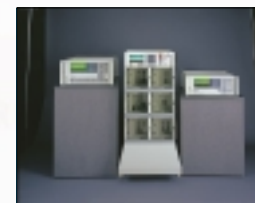
Please contact Thermo KeyTek for further information about EMCPro[®] 1089, or for additional information on Thermo KeyTek's comprehensive line of EMC test systems, options and services.

Additional EMC Test Systems & Solutions from Thermo KeyTek

In addition to the stand alone EMCPro[®] 1089, Thermo KeyTek offers two full capability EMC Test Systems: the EMCPro[®] Modular Test System and ECAT[®], it's flagship test system.

The EMCPro[®] Test System builds from a base unit which can be configured with up to seven test modules, each of which are available according to your needs. When fully-configured, the EMCPro[®] test system enables you to economically and rapidly test for full compliance to 6 IEC standards:

- IEC 61000-4-2 ESD
- IEC 61000-4-4 EFT
- IEC 61000-4-5 Combination and Telecom Wave Surge
- IEC 61000-4-8 Power Frequency Magnetic Field
- IEC 61000-4-9 Pulse Magnetic Field
- IEC 61000-4-11 Dips and Interruptions



IEC 61000-4-4 to 4.4kV, 100kHz
IEC 61000-4-5 to 6kV for both combination wave and telecom wave

EMCPro[®] can be used for testing to the following national and international standards:

- ANSI/IEEE C62.41 (Category A & B)
- CCITT Rec. K.17, K.20, K.21
- ETSI
- UL 864 (Ring Wave)
- UL 1449 (3kA Combination Wave)
- FCC Part 68

Thermo KeyTek



The ECAT[®] Test System is the premier EMC test system used by major telecommunications companies worldwide to meet Bellcore, NEBS, FCC and CE marking requirements. With a fully modular and upgradable architecture, ECAT[®] capabilities cover virtually the entire spectrum of international regulatory and mandated EMC tests, as well as company- and market-driven test programs to insure quality and reliability in the field.

For further information about Thermo KeyTek's EMCPro[®] 1089, EMCPro[®] Test System, or ECAT[®], please request specific brochures and specifications sheets. Or visit our web site: www.thermokeytek.com for detailed information.