

# Lightning Surge Simulator LSS-15AX Series

# NoiseKen®

Conforming to IEC61000-4-5

## GENERAL

Surges represent transients that might be induced in cables by lightning. By their nature, fairly high energy charges may easily damage or upset unprotected electronics circuits and components. Surges are not a new problem. Many companies have been testing their products at various stages of the products life: design tests, qualification tests, production tests and diagnostic tests.

The advance of surge suppression devices and technique does not lessen the importance of surge testing, but rather increases it, as the requirement to reduce power consumption and to increase the operational speed of semiconductors has become more demanding. In addition, the issue of surge testing is attracting renewed interest since this form of immunity is now a must for almost all electronic products for access to the global market.

## FEATURES

Fully compliant with the requirements called for in the 2<sup>nd</sup> edition of IEC 61000-4-5 standard, the LSS-15AX series simulators provide a testing facility for up to 15kV test voltage without sacrificing safety and ease of use. The LSS-15AX simulators generate the two combination pulses 1.2/50 us (8/20 uS) and 10/700 uS (5/320 uS).

- Fully programmable and easy to use simulator that meets and far exceeds the **IEC 61000-4-5 (2<sup>nd</sup> edition) requirements**
- 15kV testing
- Advanced safety
- Flexible test sequencing with Program Mode

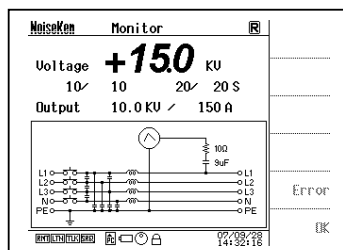


MODEL: LSS-15AX-A1A

## FUNCTION

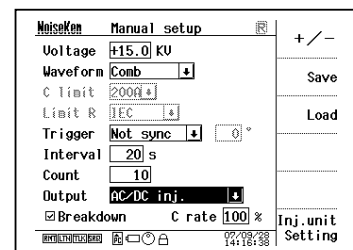
### Peak level monitor

Values of the actual peak amplitudes are monitored and shown for both voltage and current.



### Automatic stop function by detecting a breakdown

The simulator automatically stops generating the pulses if the peak current measured exceeds a limit, which can be freely set as the threshold



## OPTIONS

- Insulation transformer unit
  - TF-2302P Input voltage: Single phase,240VAC max.(50/60H) , Output current: 30A max.
  - TF-6503P Input voltage :Single or 3-phase,600VAC max.(50/60 Hz), Output current: 50A max.
- Infra-red remote controller: Model:08-00006B
- Warning lamp: Model 11-00008A
- Memory Card: Model 08-00003A
- EUT interface (30A terminal blocks and multi-receptacle): Model 18-00048B
- Calibration cable set: Model: 05-00099A

