EMC PARTNER ✓
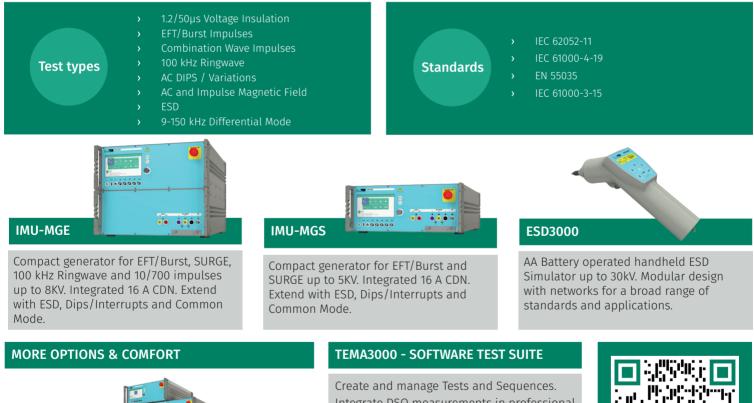
APPLICATION SHEET

SMART GRID

Increasing use of technology in the electricity supply network that uses digital communication technology to detect and react to local changes in usage is a basic principle of the smart power grid. This requires digital innovation at all levels of the smart grid. For example, smart meters used to monitor record and transmit energy usage or any network component with a communication interface. IEC 61850 discusses usage of Generic Object Oriented Substation Events (GOOSE) to increase smart grid network security.

Test types

› 1.2/50µs Voltage Insulation
› EFT/Burst Impulses
› Combination Wave Impulses
› 100 kHz Ringwave
› AC DIPS / Variations
› AC and Impulse Magnetic Field
› ESD
› 9-150 kHz Differential Mode

Standards

› IEC 62052-11
› IEC 61000-4-19
› EN 55035
› IEC 61000-3-15

IMU-MGE

Compact generator for EFT/Burst, SURGE, 100 kHz Ringwave and 10/700 impulses up to 8KV. Integrated 16 A CDN. Extend with ESD, Dips/Interrupts and Common Mode.

IMU-MGS

Compact generator for EFT/Burst and SURGE up to 5KV. Integrated 16 A CDN. Extend with ESD, Dips/Interrupts and Common Mode.

ESD3000

AA Battery operated handheld ESD Simulator up to 30kV. Modular design with networks for a broad range of standards and applications.

MORE OPTIONS & COMFORT

Touch panel technology and a mature operating system interface IMU generators with the new CDN range enabling greater flexibility and adding new capabilities.

TEMA3000 - SOFTWARE TEST SUITE

Create and manage Tests and Sequences. Integrate DSO measurements in professional reports. Import and export Test Setups and Sequences. Smart test functions and predefined Test Library.

APPLICATION INFORMATION

› FURTHER INFORMATION ABOUT SMART GRID TESTING ON WWW.EMC-PARTNER.COM/APP/SMARTGRID