

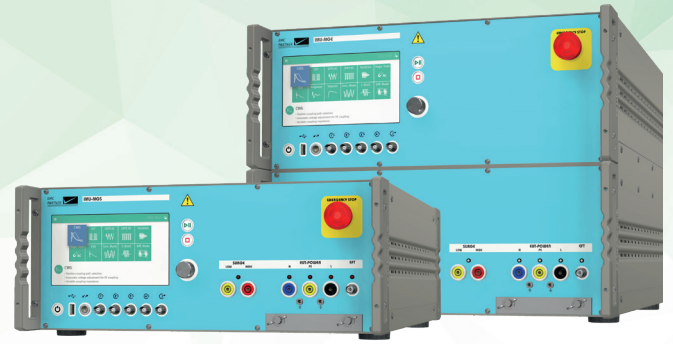
EMC PARTNER PRODUCTS

# CONDUCTED IMMUNITY TEST SYSTEMS



# CONDUCTED IMMUNITY TESTING

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.



## Features

- › Up to 9 tests in one unit
- › Modular hardware design
- › Colour touch panel with intuitive firmware
- › Integrated AC / DC CDN
- › Integrated web server

## Benefits

- › Extend test capability as required
- › Cost effective upgrade by user
- › Free firmware downloads from website
- › Test report direct from web server
- › Compact testing solution



### ESD Electrostatic Discharges up to 16kV

According to IEC/EN 61000-4-2



### Electric Fast Transient / Burst (EFT) up to 8kV

According to IEC/EN 61000-4-4



### Combination Wave / Surge (CWG) up to 8kV

According to IEC/EN 61000-4-5, ANSI C62.41



### Telecom Impulse (10/700) up to 8kV

According to IEC/EN 61000-4-5, ITU-T K.44



### Ring Wave 100kHz (Ring) up to 8kV

According to IEC/EN 61000-4-12, ANSI C62.41



### Common Mode (CM) up to 35V continuous / 330V short

According to IEC/EN 61000-4-16



### Differential Mode (DM) 4.4A / 25V

According to IEC/EN 61000-4-19



### AC & DC Dips, Variations and Interruptions

According to IEC/EN 61000-4-11 / -29 / -34



### Magnetic Field / Pulse

According to IEC/EN 61000-4-8 / -9



# CDN SERIES

Manual or automatic controlled CDNs with modular design optimised for specific applications.

## Features

- › Standard EUT supply 690 Vac
- › DC capability up to 1500 V
- › EFT, surge & ring wave capability
- › IEC & ANSI coupling
- › EUT current range switching

## Benefits

- › Ideal for electric vehicle and chargers
- › Cost effective customisation
- › Fully compliant from 0 to 200 A
- › Perfect solution for test laboratories
- › Reduced testing time



# DAMPED OSCILLATORY

# WAVE TESTING

Compact generator for Damped Oscillatory Wave testing. Integrated three phase CDN for Slow and Fast waves. Magnetic Field output for 1m or 2m coil. Can be extended with insulation test impulses up to 8 kV.



## Features

- › Slow waves up to 5kV
- › Fast waves up to 4kV
- › 1.2 / 50  $\mu$ s (0.5 J) impulse up to 8 kV
- › Supports magnetic field testing
- › Integrated CDN with EUT protection

## Benefits

- › User configurable & cost effective
- › For IEC and ANSI requirements
- › Ideal for substration equipment
- › Compact testing solution
- › Test on products up to 690 V / 32 A

SLOW



**SLOW Damped Oscillatory Waves** 100kHz & 1 MHz

up to 5kV

According to IEC/EN 61000-4-18, -10, ANSI C37.90

FAST



**FAST Damped Oscillatory Waves** 3MHz, 10MHz, 30MHz

up to 4kV

According to IEC/EN 61000-4-18



**Insulation 0.5J / 500  $\Omega$**

up to 8kV

According to IEC/EN 60255-27 / IEC 62052-11



**Magnetic Field / DOW**

up to 220A/m

According to IEC/EN 61000-4-10



# ELECTROSTATIC DISCHARGE

# TESTING

Battery operated handheld Electrstatic Discharge (ESD) generator up to 30kV. Discharge networks according to IEC 61000-4-2, ISO 10605, MIL-STD-461 CS118, RTCA DO-160 section 25 and many more standards.



## Features

- › Battery and mains powered
- › Light weight stand-alone solution
- › Modular architecture
- › Electronic polarity change
- › Many specialised modules

## Benefits

- › Fully compliant for many applications
- › Easy to handle
- › No base unit for greater flexibility
- › 16 kV unit extendable to 30 kV
- › Fast setup and testing

## Standards

- |                 |                  |                       |
|-----------------|------------------|-----------------------|
| › IEC 61000-6-1 | › IEC 61851-22   | › JASO D001-94        |
| › IEC 61000-6-2 | › IEC 61851-21-2 | › JASO D902-95        |
| › IEC 60255-26  | › IEC 60601-1-2  | › MIL-STD-461 / CS118 |
| › IEC 60571     | › IEC 60945      | › STANAG 4239         |
| › EN 50121-2-2  | › IEC 61000-4-2  | › CW TL 824-66        |
| › EN 50121-4    | › ISO 10605      | › DC 10614            |
| › IEC 61340-3-1 | › SAE J551-15    | › CISPR 35            |



For further information please do not hesitate to contact your local EMC PARTNER AG representative.  
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