

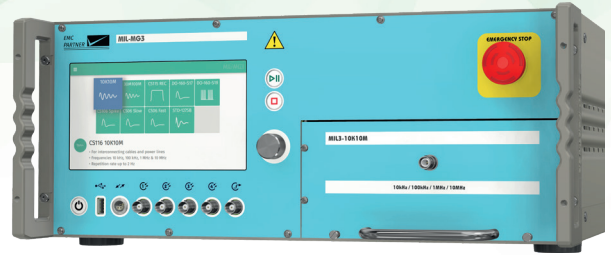
EMC PARTNER PRODUCTS

DEFENCE ELECTRONICS TESTING SYSTEMS



MIL-MG3

MIL-MG3 modular test system is the first of its kind to employ touch screen technology. An enhanced user interface and choice of couplers allow easy expansion to a test suite for MIL-STD and DO-160 impulse requirements.



Features

- › Modular architecture
- › Colour touch panel with intuitive firmware
- › Up to 8 test applications
- › Fully integrated testing solution
- › Single coupler for CS115 and CS116

Benefits

- › Use for all MIL-STD 461 versions
- › Fast and easy test setup
- › Ideal solution for test laboratories
- › Expand testing capability as required
- › Maximum return on investment



MIL3-REC MIL-STD-461 / CS115

- › Bulk cable injection impulse
- › Rise & fall time < 2ns pulse duration 30ns



MIL3-30M100M MIL-STD-461 / CS116

- › Damped sinusoidal transient
- › Oscillation frequencies 30MHz, 100MHz.



MIL3-CS116-CF MIL-STD-461 / CS116

- › Choose any CS116 frequency in the range 10kHz to 30MHz



MIL3-SPIKE -SLOW & FAST MIL-STD-461C / CS06

- › Spikes, power leads
- › Pulse duration 10us and 0.15us



MIL3-SPIKE MIL-STD-461 / CS106

- › Transients, power leads
- › Rise time 1.5us and pulse duration 5us



MIL3-10K10M MIL-STD-461 / CS116

- › Damped sinusoidal transients
- › Oscillation frequencies 10kHz, 100kHz, 1MHz, 10MHz.



MIL3-1275 MIL-STD-1275

- › Voltage spikes
- › Pulse repetition of 0.5 to 60s



ELECTROSTATIC DISCHARGE TESTING

Battery operated handheld Electrostatic 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



AVI-LV3

Internal

The first system to fully integrate all waveforms (WF) from MIL-STD-461G and DO-160. Combined with a single coupler where the EUT cable passes only once, AVI-LV3 is a compact and resourceful solution to indirect lightning testing needs.

Features

- › PIN injection testing
- › Cable bundle testing
- › Semiconductor high voltage switching
- › Extreme impulse repeatability
- › Touch panel with intuitive firmware



Benefits

- › High system reliability
- › Fastest setup and testing
- › Fast return on investment
- › Use for civilian and defence applications
- › Compact test solution

WF 1 (6.4/69µs)

MIL-STD-461 / CS117

Current Impulse

- › Cable Bundle Single Stroke
- › Cable Bundle Multiple Stroke

WF 2 (0.1 & 0.3/6.4µs)

MIL-STD-461 / CS117

Voltage Impulse

- › Cable Bundle Single Stroke
- › Cable Bundle Multiple Stroke

WF 3 (1MHz & 10MHz)

MIL-STD-461 / CS117

Voltage & Current Impulse

- › PIN injection
- › Cable Bundle Single Stroke
- › Cable Bundle Multiple Stroke
- › Cable Bundle Multiple Burst

WF 4 (6.4/69µs)

MIL-STD-461 / CS117

Voltage Impulse

- › PIN Injection
- › Ground Injection Single Stroke
- › Ground Injection Multiple Stroke

WF 5A (40/120µs)

MIL-STD-461 / CS117

Current Impulse

- › PIN Injection
- › Cable Bundle Single Stroke
- › Cable Bundle Multiple Stroke

WF 6 (0.25/4µs)

MIL-STD-461 / CS117

Current Impulse

- › Cable Bundle Multiple Burst



MIG SERIES

External

The first commercially available system to integrate all RTCA DO-160 waveforms. A system that has grown to meet new and evolving market requirements. Full scale indirect lightning test system up to level 5 for RTCA DO-160: Section 22 and MIL-STD-461G: CS117 testing to internal and external levels. The basic system can be easily extended to meet OEM specific requirements.

Features

- › Full level 5 capability
- › PIN injection
- › Cable induction
- › Multiple stroke / burst
- › Single stroke

Benefits

- › Trusted solution used worldwide
- › Use for standard and special testing
- › Easy extension with special couplers
- › Extreme impulse repeatability
- › High system reliability



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