

## APPLICATION SHEET

# AVIONIC EQUIPMENT



Avionic equipment testing is based around the RTCA DO-160 and EUROCAE ED-14 requirements. Within these specifications, EMC PARTNER are recognised as an established supplier of testing equipment for indirect lightning, voltage spike and ESD. Active participation in the Society of Aerospace Engineers (SAE) and Eurocae standard committees indicates our commitment to supporting the indirect lightning market and customers worldwide.

### Test types

- › Indirect Lightning
- › Voltage and Current Impulses
- › Waveform 1, 2, 3, 4, 5A, 5B, 6
- › PIN Injection / Cable Bundle
- › Multiple Stroke / Multiple Burst
- › 2/10µs Voltage Spike
- › Induced Signal Susceptibility
- › ESD

### Standards

- › RTCA DO-160 / EUROCAE ED-14 Section 22, 17, 19, 25
- › SAE ARP 5416
- › RTCA DO-380

#### IMU-MGE



Automatic 3-Phase CDN up to 32A / 8kV for EFT, Surge and Ringwave (690V)

#### MIL-MG3



Portable multifunction impulse test generator with plug-ins for MIL-STD and DO-160 applications. Test capability is easily extended with the seven plug-in modules. Couplers and calibration accessories complete the solution.

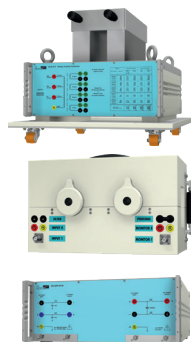
#### ESD3000



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

#### MORE OPTIONS & COMFORT

DO-160 section 22 test systems extendable to meet specialist requirements without significant changes to the basic hardware. Single turn couplers for large cable bundles or hybrid couplers for current and voltage waveshape integrity to name but a few options.



#### 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