

APPLICATION SHEET

# AIRBORNE SYSTEMS



The MIL-STD-461 specification is widely used as a general basis for testing defence electronics. Specifically in relation to airborne systems, requirements have been incorporated from the DO 160 standard. This includes indirect lightning surge impulses applied as multiple stroke and multiple burst. Voltage spike tests with 150 ns duration as defined in MIL-STD-461C are still relevant for testing airborne power systems.

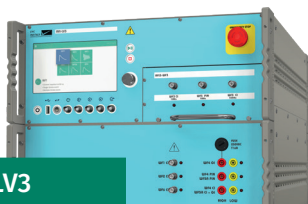
**Test types**

- › CS06 Voltage Spike
- › CS117 Indirect Lightning
- › CS116 Oscillatory Waves
- › CS115 Bulk Current Injection
- › CS118 ESD

**Standards**

- › MIL-STD-461
- › MIL-STD-464

**AVI-LV3**



Indirect lightning impulses for PIN injection, cable induction and ground injection. Single stroke, multiple stroke and multiple burst events. DO-160 & EUROCAE ED 14 level 3 and MIL-STD-461 internal level events.

**ESD3000**



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

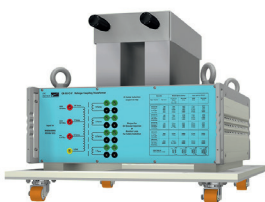
**MIL-MG3**



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.

**MORE OPTIONS & COMFORT**

Extend the CS117 impulse system with external couplers to meet waveform 5A voltage impulse requirements from DO-160 section 22. This is applicable when cable shields are removed for testing the core wires.



**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