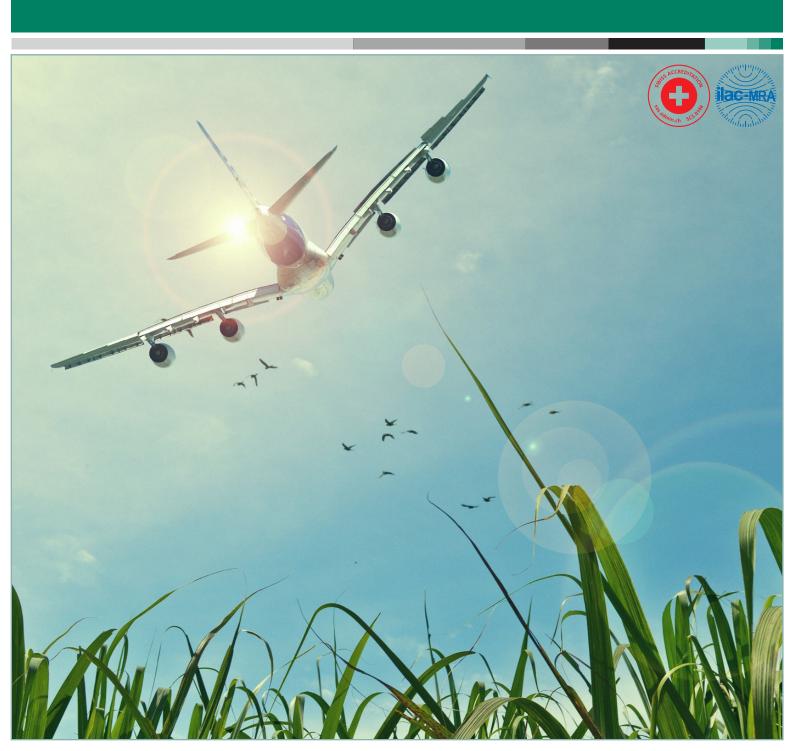


EMC PARTNER PRODUCTS

LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY TESTING



AVI-LV3

Level 3

The first system to fully integrate all waveforms from MIL-STD-461G and RTCA 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 up to level 3 / internal test levels.





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



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



Waveform 1 (6.4/69µs)

Level 3 / Internal

Current Impulse

- > Cable Bundle Single Stroke
- > Cable Bundle Multiple Stroke



Waveform 2 (0.1 and 0.3/6.4µs)

Level 3 / Internal

Voltage Impulse

- Cable Bundle Single Stroke
- Cable Bundle Multiple Stroke



Waveform 3 (1MHz & 10MHz)

Level 3 / Internal

V

Voltage & Current Impulse

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



Waveform 4 (6.4/69µs)

Level 3 / Internal



- > PIN Injection
- Ground Injection Single Stroke
- Ground Injection Multiple Stroke



Waveform 5A (40/120μs)

Level 3 / Internal

Current Impulse

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



Waveform 6 (0.25/4μs)

Level 3 / Internal

Current Impulse

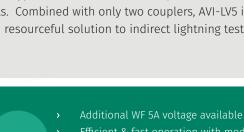
> Cable Bundle Multiple Burst



AVI-LV5

Level 5

AVI-LV5 is a compact system that includes all waveforms for RTCA DO-160: Section 22 and MIL-STD-461G: CS117 testing. All event types are available for PIN Injection and Cable Bundle tests. Combined with only two couplers, AVI-LV5 is a compact and resourceful solution to indirect lightning testing needs.





- Highly reproducible impulses
- Automation Software available



Benefits

- Built-in pin injection power blocking devices
- Pin injection transient blocking devices
- Injection transformers for required levels &
- Custom WF3 CB plugins on demand



Features

Waveform 1 (6.4/69µs)

Level 5 / External

Current Impulse

- Cable Bundle Single Stroke
- Cable Bundle Multiple Stroke



Waveform 2 (0.1 and 0.3/6.4µs)

Level 5 / External

Voltage Impulse

- Cable Bundle Single Stroke
- Cable Bundle Multiple Stroke



Waveform 3 (1MHz & 10MHz)

Level 5 / External

Voltage & Current Impulse

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



Waveform 4 (6.4/69µs)

Level 5 / External

Voltage Impulse

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



Waveform 5A (40/120μs)

Level 5 / External

Current Impulse

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



Waveform 5B (50/500μs)

Level 5 / External

Current Impulse

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



Waveform 6 (0.25/4µs)

Level 5 / External

Current Impulse

Cable Bundle Multiple Burst



For further information please do not hesitate to contact your local EMC PARTNER AG representative. Visit our website for more information and contact details.

www.emc-partner.com

Swiss Headquarters

EMC PARTNER AG Baselstrasse 160 CH - 4242 Laufen

Phone +41 61 775 20 30 Fax +41 61 775 20 59

E-mail sales@emc-partner.ch Web www.emc-partner.com

Local EMC PARTNER representative

Information in this document is an indication of capability only. EMC PARTNER AG publishes only the english version of this document. Translation into other languages is not guaranteed to be a true representation of content.

© by EMC PARTNER AG. No changes or reproduction without permission of EMC PARTNER AG allowed.