

## DO-160 & MIL-STD-461G Indirect Lightning Test System AVI-LV3







Smart navigation through technical specifications. Click the green links.



#### Accredited Calibration

Quality at EMC PARTNER is based on an ISO 9001 management system. This is the foundation for an ISO/IEC 17025 accreditation verified by the Swiss Calibration Service (SCS). SCS No. 146 is the accreditation number of EMC PARTNER AG. Locally accredited but recognized worldwide through affilia-tion with the ILAC organisation



#### WHEN GETTING RESULTS MATTERS

## THERE IS ONLY ONE CHOICE

Military and avionic testing is all about quality and precision. AVI-LV3 brilliantly fulfills these requirements.

A flexible solution that includes:

- > MIL-STD-461: CS117, Level 1 (internal equipment)
- > RTCA DO-160: SECTION 22, Level 3
- > EUROCAE ED-14: SECTION 22, Level 3

Ease of use, compact size and large aperture coupler makes AVIL-LV3 the most efficient and technically advanced instrument in this category.

## MULTI TALENTED SOLUTION

The first System to fully integrate all waveforms 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.



#### **AVI-LV3 Test System**

• AVI3000 compact unit

#### **Test Accessories**

CN-BT7

Only one couplter for all 5 waveforms. No change of the EUT cable. Aperture (55x80mm)

#### • CN-GI-CI-V

Voltage coupler for WF4 cable bundle testing. Aperture (60x120mm)

Included Benefits		
Stable	Pulse reproducibility during test cycle	
Precise	Repeatable test results over long time	
Fast	Minimum setup and calibration time	
Flexible	User selectable MS and MB timing	
Polarity	Maintain test integrity by electronic switching	
Automated	Save and repeat test routines.	

Pre-programmed Multiple Stroke (MS) and Multiple Burst (MB) functions

## AVAILABLE CIRCUITS

AVI-LV3 is a compact unit that includes all waveforms for RTCA DO-160: Section 22 and MIL-STD-461G: CS117 testing. All event types are available: PIN Injection, Cable Injection and Ground Injection

	Waveform 1 (6.4/69µs)	MIL-STD-461 / CS117
	Current Impulse	
	> Cable Bundle Single Stroke	
	> Cable Bundle Multiple Stroke	
Ν	Waveform 2 (0.1 and 0.3/6.4µs)	RTCA DO-160 / S.22
	Voltage Impulse	MIL-STD-461 / CS117
	<ul> <li>Cable Bundle Single Stroke</li> </ul>	
	> Cable Bundle Multiple Stroke	
11	Waveform 3 (1MHz & 10MHz)	RTCA DO-160 / S.22
WWW	Voltage & Current Impulse	MIL-STD-461 / CS117
	<ul> <li>PIN injection</li> </ul>	
	<ul> <li>Cable Bundle Single Stroke</li> </ul>	
	> Cable Bundle Multiple Stroke	
	> Cable Bundle Multiple Burst	
Ν	Waveform 4 (6.4/69µs)	RTCA DO-160 / S.22
	Voltage Impulse	MIL-STD-461 / CS117
	<ul> <li>PIN Injection</li> </ul>	
	<ul> <li>Ground Injection Single Stroke</li> </ul>	
	<ul> <li>Ground Injection Multiple Stroke</li> </ul>	
$\land$	Waveform 5A (40/120µs)	RTCA DO-160 / S.22
	Current Impulse	MIL-STD-461 / CS117
	> PIN Injection	
	<ul> <li>Cable Bundle Single Stroke</li> </ul>	
	> Cable Bundle Multiple Stroke	
$\land$	Waveform 6 (0.25/4µs)	RTCA DO-160 / S.22
$\sim$	Current Impulse	MIL-STD-461 / CS117



**Current Impulse** 

Cable Bundle Multiple Burst >

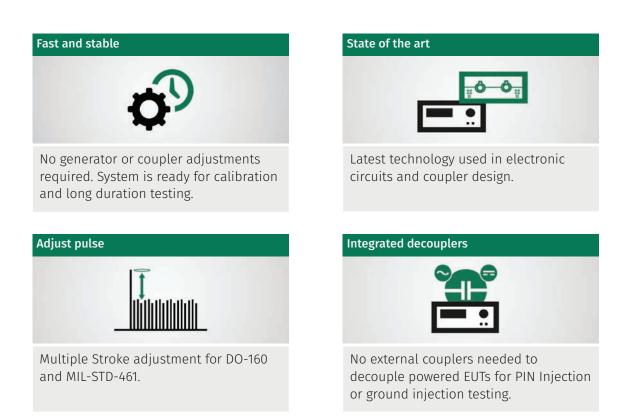
### **EMERGENCY STOP**

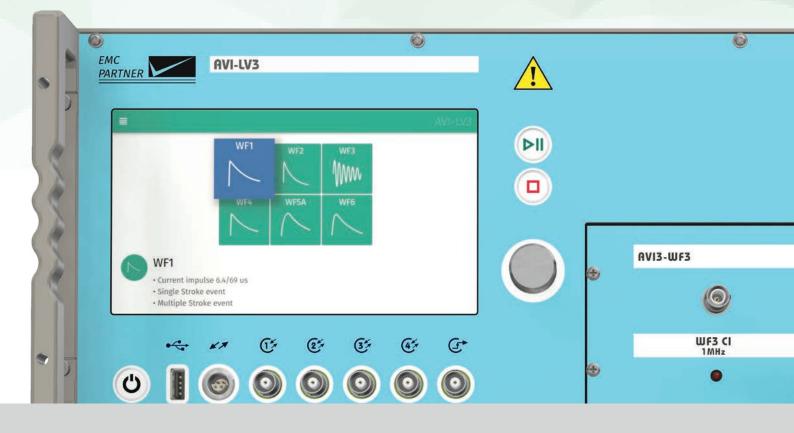


Red/Yellow Emergency Stop button on front panel of generator can be complemented with remote option. Add warning lamps and a test cabinet for enhanced test place safety.

## UNIQUE FEATURES

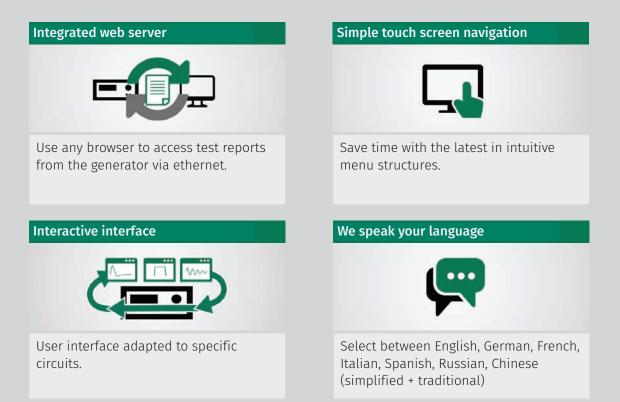
Leading technology - New designs take advantage of latest innovations.





## EPOS - TOUCH THE FUTURE

EMC PARTNER Operating System (EPOS) is an independant software with free-of-charge updates for lifetime. EPOS is based on a full colour graphic interface and easy to follow onscreen graphics. Pop-up help gives information when needed, directly during the setting process. EPOS is full of features found only in top of the range instrumentation.





## TEMA3000 SOFTWARE SUITE

The best solution for professional EMC Test Labs enables comfortable test setups, easy parameter changes and customizable test reports and DSO integration.



- > Customize & edit your protocols
- > Export to multiple file formats
- > Integrate DSO measurements

#### Productive workflow



- > Minimal learning time
- > Integrated assistant function

#### Manage tests and sequences

•		STAN	DARD 1	
		STAN	DARD 2	
	-	E TE	ST 1	
		F	LEVEL 1	
		۱ 📔	LEVEL 2	
		•	LEVEL 3	
		TE TE	ST 2	
	-	STAN	DARD 3	
	(Care)	CTAN		

- > Predefined test setups
- Save and load own tests and sequences



- > Transfer tests / reports to PC
- > Remote control from computer

## Other systems for indirect lightning PIN injection & Cable bundle tests

DO-160 section 22 MIL-STD-461 CS117 Aircraft OEM specific standards Established worldwide

## www.emc-partner.com



## **Technical Specifications**

## TEST SYSTEM

DO-160 G SECTION 22 LEVEL 3 & MIL-STD-461G CS117 LEVEL 1 (INTERNAL EQUIPMENT)

Test equipment	DO-160G Section 22 level 3	MIL-STD-461G CS117 level 1 (internal equip.)	Manufacturers (Airbus, Boeing, etc)
AVI-LV3	✓ ✓ ✓		✓
Accessories & coupling devices			
DN-LISN160-32	$\checkmark$	✓	✓
SHUNT0E1	$\checkmark$	✓	✓
V-PROBE-SI	$\checkmark$	✓	<ul> <li>✓</li> </ul>
I-PROBE-MB-P1	$\checkmark$	✓	✓
CN-BT7	$\checkmark$	✓	✓
CN-GI-CI-V	optional	✓	optional
WARNING-LAMP	optional	optional	optional
EMERGENCY-STOP	optional	optional	optional
Software			
TEMA3000 & Modules	$\checkmark$	~	✓

## TEST SYSTEM

#### **1. AVI-LV3 TEST SYSTEM**

#### AVI-LV3 circuit: WF1 cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Current waveform WF1	6.4 μs ± 20 % / 69 μs ± 20 %
Test level	specified at coupler output
Test level single stroke	25 A - 900 A +20%, -0%
Test level multiple stroke	25 A – 900 A +20%, -0% (first stroke)
	20 A – 300 A +50%, -0% (subsequent stroke)
Pulse repet. single stroke	up to 2 / 1 s @ 25 A, 1 / 7 s @ 900 A
Polarity	positive, negative, alternating
Programmable ramp	current
Requires	CN-BT7

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#### AVI-LV3 circuit: WF2 cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Voltage waveform WF2	rise time: < 100 ns or < 340 ns selectable
	pulse duration: 6.4 µs ± 20 %
Test level	specified at coupler output
Test level single stroke	25 V - 1600 V +20%, -0%
Test level multiple stroke	25 V – 700 V +20%, -0% (first stroke)
	25 V – 350 V +50%, -0% (subsequent stroke)
Pulse repet. single stroke	up to 2 / 1 s @ 25 V, 1 / 1.5 s @ 1600 V
Polarity	positive, negative, alternating
Programmable ramp	voltage
Requires	CN-BT7

#### AVI-LV3 circuit: WF3, 1 MHz, pin injection

Standards	DO-160G S22, other
Coupling mode	pin injection / direct application
Output impedance	25 Ω
Voltage, current WF3	frequency: 1 MHz ± 20 %
	damping: 25 – 75 % (1st to 5th peak)
Test level	specified at application point
Test level single stroke	50 V - 750 V +10%, -0%
	2 A – 30 A +10%, -0% in short circuit
	100 V - 750 V +10%, -0%
	4 A – 30 A +10%, -0% in short circuit
Pulse repet. single stroke	up to 2 / 1 s @ 100 V – 750 V
Polarity	positive, negative, alternating
Synchronization	automatic on power peak or 0 – 359°, step 1°
Programmable ramp	voltage
EUT max. AC-voltage	230 V

 EUT max. supply frequency
 800 Hz

 EUT max. DC-voltage
 ± 50 V

#### AVI-LV3 circuit: WF3, 1 MHz, cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Voltage, current WF3	frequency: 1 MHz ± 20 %
	damping: 25 – 75 % (1st to 5th peak)
Test level	specified at coupler output
Test level single stroke	10 V - 1900 V +20%, -0%
Test level multiple stroke	10 V – 1900 V +20%, -0% (first stroke)
	10 V – 1000 V +50%,-0% (subseq. stroke)
Test level multiple burst	10 V - 700 V +20%, -0%
Pulse repet. single stroke	up to 2 / 1 s @ 100 V – 750 V
Polarity	positive, negative, alternating
Programmable ramp	voltage
Requires	CN-BT7

#### AVI-LV3 circuit: WF3, 10 MHz, cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Voltage, current WF3	frequency: 10 MHz ± 20 %
	damping: 25 – 75 % (1st to 5th peak)
Test level	specified at coupler output
Test level single stroke	50 V - 1100 V +20%, -0%
Test level multiple stroke	50 V – 1100 V +20%, -0% (first stroke)
	50 V – 800 V +50%, -0% (subsequent stroke)
Test level multiple burst	50 V - 800 V +20%, -0%
Pulse repet. single stroke	up to 2 / 1 s @ 100 V – 1100 V
Polarity	positive, negative, alternating
Programmable ramp	voltage
Requires	CN-BT7

#### AVI-LV3 circuit: WF4, pin injection

Standards	DO-160G S22, other
Coupling mode	pin injection / direct application
Output impedance	5 Ω
Voltage, current WF4	6.4 μs ± 20 % / 69 μs ± 20 %
Test level	specified at application point
Test level single stroke	50 V - 500 V +10%, -0%
	10 A – 100 A +10%, -0% in short circuit
Pulse repet. single stroke	up to 2 / 1 s @ 50 V, 1 / 3 s @ 500 V
Polarity	positive, negative, alternating
Synchronization	automatic on power peak
Programmable ramp	voltage
EUT max. AC-voltage	230 V
EUT max. supply frequency	800 Hz
EUT max. DC-voltage	± 50 V

#### AVI-LV3 circuit: WF4 ground injection

Standards	DO-160G S22
Coupling mode	Ground Injection (GI)
Voltage waveform WF4	6.4 μs ± 20 % / 69 μs ± 20 %
Test level	specified at application point
Test level single stroke	10 V - 1600 V +20%, -0%
Test level multiple stroke	10 V – 800 V +20%, -0% (first stroke)
	10 V – 400 V +50%, -0% (subsequent stroke)
Pulse repet. single stroke	up to 2 / 1 s @ 50 V, 1 / 9 s @ 1600 V
Polarity	positive, negative, alternating
Programmable ramp	voltage
EUT max. power	230 V / 16 A AC 50 – 800 Hz and DC

#### AVI-LV3 circuit: WF4 cable induction

Standards	MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Voltage waveform WF4	6.4 μs ± 20 % / 69 μs ± 20 %
Test level	specified at coupler output
Test level single stroke	max. 10 V – 600 V +20%, -0%
Test level multiple stroke	max. 10 V – 300 V +20%, -0% (first stroke)
	max. 10 V – 150 V +50%, -0% (subsequent stroke)
Pulse repet. single stroke	up to 1 / 8 s @ 600 V
Polarity	positive, negative, alternating
Programmable ramp	voltage
Requires	CN-GI-CI-V

#### AVI-LV3 circuit: WF5A, pin injection

Standards	DO-160G S22, other
Coupling mode	pin injection / direct application
Output impedance	1 Ω
Voltage, current WF5A	40 μs ± 20 % / 120 μs ± 20 %
Test level	specified at application point
Test level single stroke	25 V - 50 V +20%, -0%
	25 A – 50 A +20%, -0% in short circuit
	50 V - 500 V +10%, -0%
	50 A – 500 A +10%, -0% in short circuit
Pulse repet. single stroke	up to 2 / 1 s @ 50 V, 1 / 5 s @ 500 V
Polarity	positive, negative, alternating
Synchronization	automatic on power peak
Programmable ramp	voltage
EUT max. AC-voltage	230 V
EUT max. supply frequency	800 Hz
EUT max. DC-voltage	± 50 V

#### AVI-LV3 circuit: WF5A cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Current waveform WF5A	40 μs ± 20 % / 120 μs ± 20 %
Test level	specified at coupler output
Test level single stroke	20 A - 1800 A +20%, -0%
Test level multiple stroke	20 A – 1800 A +20%, -0% (first stroke)
	20 A – 390 A +50%, -0% (subsequent stroke)
Pulse repet. single stroke	up to 2 / 1 s @ 50 A, 1 / 14 s @ 1800 A
Polarity	positive, negative, alternating
Programmable ramp	current
Requires	CN-BT7

#### AVI-LV3 circuit: WF6 cable induction

Standards	DO-160G S22, MIL-STD-461G CS117, other
Coupling mode	Cable Induction (CI)
Current waveform WF6	0.25 μs ± 20 % / 4 μs ± 20 %
Test level	specified at coupler output
Test level single stroke	2.5 A - 75 A +20%, -0%
Test level multiple burst	2.5 A - 75 A +20%, -0%
Pulse repet. single stroke	up to 2 / 1 s @ 5 A – 75 A
Polarity	positive, negative, alternating
Programmable ramp	current
Requires	CN-BT7

#### AVI-LV3 control features

Operating system	EPOS propietary firmware
Languages	8 menu languages, selectable
User interface	7" capacitive touch display
Connectivity	gigabit ethernet, USB, RS485
Programmable patterns	DO-160, multiple stroke, multiple burst, custom
	Airbus ABD patterns, Boeing D6 patterns for
	multiple stroke, multiple burst (waveforms 3, 4, 5A)
Synchronization on signals	40 – 800 Hz
Synchronization source	EUT Power
Synchronization angle	automatic peak synchronization as per standard
Impulse polarity	positive, negative, electronic switching
Automatic ramp	test level
Trigger out	BNC, max. 6 V
Programmable connectors	6 BNC connectors (inputs/outputs) as follows
Programmable input functions	Trigger input, Start Test, Stop Test, EUT Fail, EUT Mark, Emergency Stop
Programmable input max. voltage	low range: 0 – 1.5 V, high range: 2.3 – 24 V
Programmable output functions	Running State, Safety Circuit State

Programmable output max. U, I	max. 24 V, max. 300 mA
Safety features (standard)	Emergency stop button on front panel red/yellow as per IEC 60947-5-5, IEC 60204-1,
	ISO 13850, Safety circuit
Safety accessories (optional)	WARNING LAMP (24 V, max. 2.4 W),
	Remote EMERGENCY STOP button

#### AVI-LV3 supply, weight, dimensions, climatic conditions

Operating voltage	100 V - 240 V ± 10% (50/60 Hz)
Power consumption	ON < 400 VA, standby < 15 VA
Weight	50 kg
Wxdxh	45 x 60 x 37 cm
Version	19" unit, 8 UH
Temperature range	10 – 35 °C
Humidity	< 80 % non-condensing
Air pressure	86 – 106 kPa
Included articles	
Power cord	with country plug
User manual	with conformity declaration
Calibration certificate	factory calibration

#### **AVI-LV3** accessories

LISN	DN-LISN160-32
Calibration load	SHUNT0E1, for WF2 and WF3 short circuit
Voltage probe	V-PROBE-SI, common and differential mode
Current probe	I-PROBE-MB-P1
Coupling devices (CI)	CN-BT7, for WF 1, 2, 3, 5A, 6
	CN-GI-CI-V, for WF4 in MIL-STD-461G, CS117
Software	TEMA3000 and modules

## COUPLING DEVICES

#### CN-BT7

Application	coupling device for AVI-LV3 / cable induction
Suitable for waveforms	WF1, WF2, WF3, WF5A, WF6
Turn ratio	1:1
EUT voltage max.	500 V AC or DC
EUT current max.	16 A / 800 Hz (when testing WF2)
	32 A / 400 Hz (when testing WF2)
	32 A / 800 Hz (when testing all other WFs)
	426 A / 50-60 Hz (when testing all other WFs)
Aperture	5.5 x 8 cm
Dimensions	34 x 18 x 21 cm
Weight	18 kg
For generator	AVI-LV3



#### CN-GI-CI-V

Standards	MIL-STD-461G CS117, DO-160G S22, other
Application	injection probe for WF4, WF5A (voltage) in
	cable induction mode
Test level WF4 (CI)	max. 600 V with AVI-LV3
Test level WF5A (CI)	max. 600 V with AVI-LV3
EUT supply	max. 130 A @ 50-60 Hz with AVI-LV3
	max. 20 A @ 400 Hz with AVI-LV3
	max. 10 A @ 400 Hz with AVI-LV3
Aperture	6 x 12 cm
Dimensions	53 x 65 x 50 cm
Weight	190 kg
For generators	AVI-LV3, MIG0600MS, MIG0618SS
Included	connection cables



## ACCESSORIES

#### SHUNT0E1

Application	calibration of WF2, WF3 short circuit current
Impedance	0.1 Ω ± 2 %
Output	100 mV/A
Maximum setting AVI-LV3	WF2: 1600 V, WF3: 1900 V
Weight	0.15 kg
Dimensions	12 x 2.5 x 2.5 cm
Requires	AVI-LV3, CN-BT7

#### V-PROBE-SI

Standards	DO-160G S22, MIL-STD-461G CS117, other
Type of probe	differential (can measure CM as well)
Input voltage	max. 7 kV DC + peak, max. 2.5 kV r.m.s.
Waveforms	all AVI-LV3 waveforms and voltage test levels
Bandwidth	DC – 70 MHz (-3 dB)
Accuracy	± 2 %
Input impedance	10 MΩ    10 pF
Attenuation ratio	1:100 or 1:1000
Power supply	4 x AA batteries and/or mains adapter
Weight	1.5 kg (packed)
Dimensions	29 x 34 x 8 cm (packed)
For generator	AVI-LV3
Included	carrying case, mains adapter, AA batteries





#### I-PROBE-MB-P1

Standards	DO-160G S22, MIL-STD-461G CS117, other		
Application	measurement of SC current / clamp on probe		
Output impedance	50 Ω (BNC connector)		
Input current	max. 100 A r.m.s., max. 5 kA impulse		
Waveforms	all AVI-LV3 current waveforms		
Bandwidth (-3 dB)	5 Hz – 15 MHz		
Sensitivity	0.1 V/A into 1 MΩ		
Accuracy	+ 1 / - 0 %		
Current time product	0.5 As		
I/f	3.5 A/Hz		
Usable rise time	25 ns		
DSO input selection	1 MΩ AC		
Weight	1.68 kg		
Dimensions	12 x 13 x 4 cm (inner diameter 5 cm)		
For generators	AVI-LV3, MIG-OS-MB, other		



Test System | Accessories & Coupling Devices

Included	carrying case
DN-LISN160-32	
Standards	DO-160G S22, MIL-STD-461G CS117, other
Application	Line Impedance Stabilization Network (5 µH)
Inductance	5 μH per line (for both AC and DC lines)
Capacitance	10 μF included, 33000 μF included
	LISN is calibrated with capacitors connected
Number of lines	2 AC lines (L, N or L1, L2), 2 DC lines (+ / -)
AC voltage max.	L-N: 480 V @50/60 Hz, L-PE: 280 V @50/60 Hz
	L-N: 150 V @ 400 Hz, L-PE: 85 V @ 400 Hz
AC current max.	32 A
DC voltage max.	50 V
DC current max.	32 A
EUT protection	yes, at 275 V
Weight	13 kg
Dimensions	45 x 57 x 19 cm, 19" unit, 4 UH
For generators	AVI-LV3,MIG0600MS,MIG0618 SS,MIG-OS-MB
Requirements	for 3-phase EUTs, two pieces are required



#### WARNING-LAMP

Cable length	5 m	
Dimensions	diameter 7x cm x 25 cm	
Weight	0.5 kg	

#### **EMERGENCY-STOP**

Cable length	5 m
Dimensions	8 cm x 8 cm x 10cm
Weight	0.3 kg





## SOFTWARE

#### TEMA3000

Suitable for generator	AVI-LV3		
Type of license	modular:		
	TEMA3000 basic license (remote control)		
	TEMA3000 REPORT (automatic test report)		
	TEMA3000 DSO (DSO control, supports most		
	current oscilloscopes on Ethernet)		
	TEMA3000 LIBRARY (pre-programmed		
	test levels according to standards)		
Operating system required	Windows, latest		
Communication port	ethernet		
Updates	lifetime updates at no additional cost		
Latest version	available on EMC PARTNER website		

Test System | Accessories & Coupling Devices

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# Specific EMC test requirements ?

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ABD0100.1.8.1      ANSI / IEEE 62.45      ANSI C37.90      ANSI C62.41	IEC 60335-1     IEC 60384-14     IEC 60571     IEC 60664-1	□ IEC 61000-4-4 □ IEC 61000-4-5 □ IEC 61000-4-8 □ IEC 61000-4-9	□ ISO 10605 □ ITU-T K.20 □ ITU-T K.21 □ ITU-T K.22	- Impulse MIL-STD-883 NMI M6 Section A.219 Responde 32:10.001/0
□ ANSI C63.16 □ DC 10614 □ EN 50121-3-2	EC 60950-1	□ IEC 61008-1 □ IEC 61009-1 □ IEC 61010-1	☐ ITU-T K.44 ☐ ITU-T K.45 ☐ JASO D 001-94 ☐ JESD22-A114-B	Renault 32-10-00/0       or send us your         Renault 32-10-05/A       or send us your         RTCA D0-160 - Section 17       concrete inquiry         RTCA D0-160 - Section 19       directly via website         RTCA D0-160 - Section 22       directly via website
EN 50121-4 EN 50155 EUROCAE/ED-14	□ IEC 61000-4-10 □ IEC 61000-4-11 □ IEC 61000-4-12 □ IEC 61000-4-16	□ IEC 61051-1 □ IEC 61180-1 □ IEC 61180-2 □ IEC 61340-3-1	☐ JESD22-A115-A ☐ JESD22-A115-A ☐ MIL-DTL-23659D ☐ MIL-STD-1512	RTCA D0-160 - Section 25     SAE J551-15     STANAG 4239
FAA AC 20 -136	LEC 61000-4-18		MIL-STD-1541	UL 1414

## THE EMC PARTNER PRODUCT RANGE

Find further brochures on our website emc-partner.com/brochures or contact your local representative for a hardcopy.

#### **IMMUNITY TESTS**

Transient Test Systems for all EMC tests on electronic equipment. ESD, EFT, surge, AC dips, AC magnetic field, surge magnetic field, common mode, damped oscillatory and DC dips. According to IEC and EN 61000-4-2, -4, -5, -8, -9, -10, -11, -12, -13, -14, -16, -18, -19, -29.

#### **LIGHTNING TESTS**

Impulse test equipment and accessories for aircraft, military and telecom applications. Complete solutions for RTCA / DO-160 and EURO-CAE / ED-14 for indirect lighting on aircraft systems, MIL-STD-461 tests CS106, CS115, CS116, CS117, CS118 and Telecom, ITU-T .K44 basic and enhanced tests for impulse, power contact and power induction.

#### **COMPONENT TESTS**

Impulse generators for testing varistors, gas discharge tubes (GDT), surge protective devices (SPDs), X / Y capacitors, circuit breakers, electricity meters, protection relays, insulation material, suppressor diodes, connectors, chokes, fuses, resistors, emc-gaskets, cables, etc.

#### **EMISSION MEASUREMENTS**

Measurement of Harmonics and Flicker in 1-phase and 3-phase electrical and electronic products according to IEC /EN 61000-3-2 and 61000-3-3. HARCS Immunity software adds interharmonic tests, voltage variation according to IEC/EN 61000-4-13, -4-14.

#### SYSTEM AUTOMATION

A full range of accessories enhance the test systems. Test cabinets, test pistols, adapters and remote control software, simplify interfacing with the EUT. Programmable PSU, EMC hardened for frequencies from 16.7Hz to 400Hz. PS3-SOFT-EXT complies with IEC / EN 61000-4-14 and -4-28.

#### SERVICE

Our committment starts with a quality management system backing up our ISO 17025 accreditation. With the SCS number 146, EMC PARTNER provides accredited calibration and repairs. Our customer support team is at your service!













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

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#### Your local representative



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