

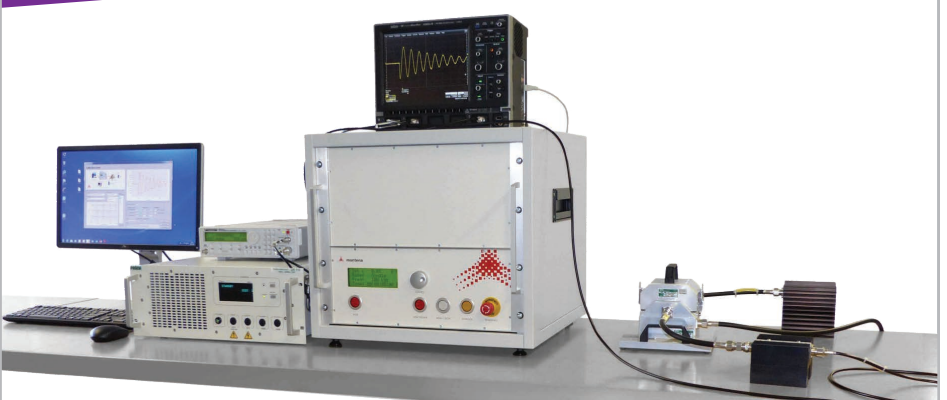
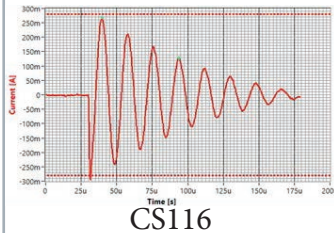
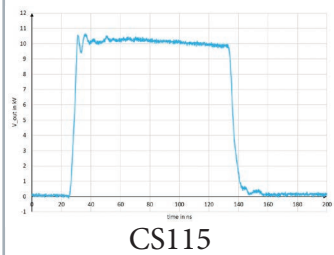
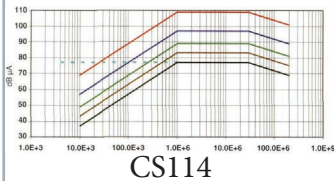
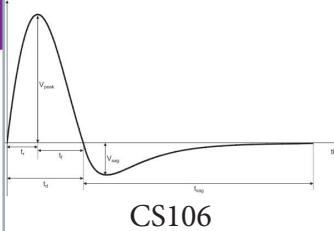
EMC TEST EQUIPMENT AND SERVICES
THE SECRET FOR ABSOLUTE VALUE

Offering the largest portfolio of MIL-STD-compliant EMC solutions, ensuring you meet every test requirement with ease.



	MIL-STD	DO-160	Description	Frequency/Level	Equipment
CE	CE101		Power Leads Emissions	30 Hz - 10 kHz	MGA 1033, MGA CT B-100
	CE102	Sec. 21	Power Leads	10 kHz-10 MHz	NNBL XXXX 50µH, NNBM XXXX 5µH LISNs
	CE106		Antenna Port Emissions	10 kHz-40 GHz	Contact us
Conducted Susceptibility CS	CS101	Sec. 18	Power Leads Immunity	(10 Hz) 30 Hz-150 kHz	MGA 1033, MGA CT B-100, LISN+CAP
	CS103, CS104, CS105		Antenna Port Immunity	30 Hz - 20 GHz	Contact us
	CS106		Spike required by Navy	500V, 100A 1.5/3.5µs	PG-CS106 or M-CS106 (module), IC10M
	MIL-STD-1275		Injected voltage spikes	250V, 250mJ	PG-1275E or PG-1275F, DM400
	MIL-STD-1275		Injected voltage surge	100V, 1210J	PG-1275E or PG-1275F, DM400
	CS109	Sec 19.	Structure Current	60 Hz - 100 kHz, 120 dBµA	MGA 1033, MGA ISS-19, MGA CT B-100
	CS114	Sec. 20	Bulk Cable Injection	10 kHz-200 MHz	M-CS114, IPDR250, CJDR250
	CS115		Square Pulse/Switching	1kV, <2ns r-f, 30ns duration	PG-CS115 or M-CS115 (module), IPDR250, CJDR250
	CS116		Bulk Cable injection Damped Sine	10k, 100k, 1M, 10M, 30M, 100MHz	M-CS116, IPDR250, CJDR250
	CS117	Sec. 22, Sec. 17	Indirect lightning and voltage spikes	Pulses 1-6	LTS Lightning Test System
CS118	Sec. 25	Electro Static Discharge (ESD)	+/-8kV Cont. 15kV Air	ONYX 16 or ONYX 30, pet 4000, AEMC-HVM100kV	
	MIL-STD-331, MIL-STD-464	Electro Static Discharge (ESD)	+/-300kV	PGESD300K-DP	
	MIL-STD -188-125-1 & 2	Pulsed Current Injection NEMP	E1, High Current 5kA, Charge Line	PPG-E1-1200, EMP10K-5-500, EMP300K-5-500, IP-P3K-4MS, CLP40K, CC-E1-1200-1, IC-E1-2150	
RE	RE101		Magnetic Emissions	30 Hz - 100 kHz	MGA 1033, MGA RLS 133
		Sec. 15	Structure Current	Compass 1° Offset	DO-160 Section 15 Set
	RE102	Sec. 21	E-Field Emissions	2 MHz - 18 GHz	LISN, Antennas, Pre-amps, Comb Gen, Coax,...
	RE103		Antenna Emissions	10 kHz - 40 GHz	Contact us
RS	RS101		Magnetic Immunity		MGA 1033, MGA RL120, MGA LS 040
	RS103	Sec. 20	E-Field Immunity	2 MHz - 40 GHz	Amps, Antennas, SY3-EMC, Coax
	MIL-STD-464		HIRF RF CW & Pulsed HERO		Amps, Antennas, SY3-EMC, Coax
	RS105, -464		EMP Pulse	50kV/m Vert or Horiz	NEMP050, NEMP140, NEMP360, NEMP500, NEMP730, EMP25K-2-23-50, EMP25K-2-23-50, GEMP80K-2-23-50

TURNKEY SYSTEMS DESIGNED FOR MIL-STD-461 COMPLIANCE



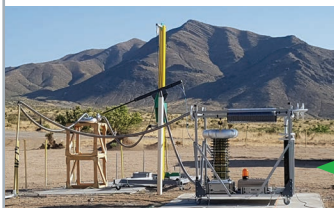
Covering the full CS suite of tests—CS101, CS106, CS109, CS114, CS115, CS116—as well as RS101. All tests can be managed through one integrated hardware/software platform.

*Systems are also available as stand-alone generators.

Key Features

- BCI Probe: CS114, CS115, and CS116 all couple through the same BCI probe.
- Automated Operation: A single setup and automated switching streamline testing, reducing complexity.
- Integrated Calibration: Built-in calibration routines save significant time while maintaining test integrity.

Model	Description
POG-CS116-6	CS116 Damped, 10, 100 kHz, 1, 10, 30, 100 MHz
POG-CS116-9	CS116 Damped, 10, 30, 100, 300 kHz, 1, 3, 10, 30, 100 MHz
POG-CS116-17	CS116 Damped 10, 18, 30, 56, 100, 180, 300, 560 kHz, 1, 1.8, 3, 5.6, 10, 18, 30, 56, 100 MHz
M-CS106	Module CS106 to be plugged in the POG-CS chassis 500 V / 100 A
M-CS115	Module CS115 to be plugged in the POG-CS chassis 0 – 2 kV
PG-CS106	Standalone CS106 pulse generator 500 V / 100 A
G-CS115	Standalone CS115 pulse generator 0 – 2 kV
IC10M	Injection probe for MIL STD 461 CS106, 40 mm
IPDR250	Injection probe for CS114, CS115 or CS116 tests
CJDR250	Calibration jig for the injection probe IPDR250
PG-1275E	Transient generator for MIL-STD 1275E, including internal 16 A diode
PG-1275F	Transient generator for MIL-STD 1275F, including internal 16 A diode
PG-C202	Pulse generator for MIL-STD 461 CS116 plus 7 dB, 6 test frequencies
PESD-ECSS-12K	ESD pulse generator according to ECSS standard, max. charging voltage : 10 kV
PGESD300K-DP	ESD pulse generator for NATO AECTP-250, max charging voltage : +/-300kV
SMARTImmun	SMARTImmun base software application for MIL-STD-461



MGA 1033

DC-250 kHz



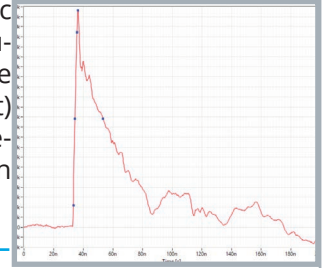
Magnetic Emissions/Immunity Turnkey

Low-Frequency Magnetic Immunity System provides comprehensive testing for a wide array of international standards, such as MIL-STD-461E/F, DO 160 Section 19, IEC/EN 55103-2, IEC/EN 61000-4-8, ISO 11452-8, SAE J1113-2, and SAE J1113-22. It also supports additional test requirements for CE101, CS101, CS109 (MIL-STD-461E/F), EN 61000-4-16, IEC/EN 61543, and DO-160 Section 19. Designed for precise, repeatable measurements, MGA 1033 delivers powerful low-frequency magnetic testing, seamless integration, and streamlined calibration for advanced EMC test environments.

RS105 AND HEMP SYSTEMS



MIL-STD-461, IEC 61000-4-25, and AECTP 500 are standards that apply to equipment or subsystems operating outside shielded facilities. RS105 testing simulates a high-intensity transient electromagnetic pulse—up to 50 kV/m (–0 dB, +6 dB)—with a double-exponential waveform and a nanosecond-scale rise time. Applied to the EUT (Equipment Under Test) at least five times, this rigorous test ensures the device remains free from any performance degradation when subjected to extreme electromagnetic stress.



Model	Description	EUT Size
NEMP050	Tabletop NEMP simulator, height 0.5 m	heights up to 16 cm
NEMP140	Compact NEMP simulator, height 1.4 m	heights up to 0.4 m
NEMP360	Mobile NEMP simulator, height 3.6 m	heights up to 1.1 m
NEMP500	Mobile NEMP simulator, height 5 m	heights up to 1.7 m
NEMP730	Mobile NEMP simulator, height 7.3 m	heights up to 2.4 m
NEMP-WM	Customized Chamber NEMP test systems	tailored to chamber
NEMP730-O	Outdoor vertically polarized NEMP simulator 7.3 m	heights up to 2.4 m
NEMP1300-O	Outdoor vertically polarized NEMP simulator 13 m	heights up to 4.4 m
NEMP2500-O	Outdoor vertically polarized NEMP simulator 25 m	heights up to 8 m
NEMP1300-O	Outdoor vertically polarized NEMP simulator 13 m	heights up to 4.4 m
NEMP-Cust	Any Size is possible for all system	
HPD1000	Outdoor horizontally polarized NEMP simulator 10 m	up to 10 x 5 x 5 m

MEASUREMENT SYSTEMS



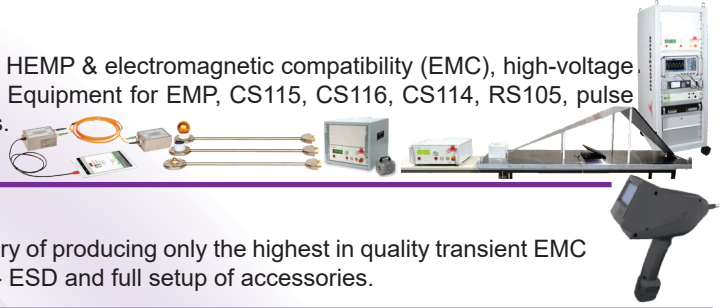
- Full offering of measurement systems & HV components.
- Analog 50MHz, 500 MHz, & 3.5 GHz fiber optic transponders.
- HV attenuators, HV coax, HV connectors, shielding, measurement software.

Model	Description
MOL25T	2-channel fibre-optic link DC - 25 MHz, 1 MΩ, Remote Attenuation
MOL500T	Analog fibre-optic link DC - 500 MHz, 50 Ω or 1 MΩ, Remote Attenuation
MOL2000T	Analog fibre-optic link 80 Hz - 3.5 GHz, 50 Ω, Remote Gain
MOL3000	Analog fibre-optic link 80 Hz - 3.5 GHz, 50 Ω, Fixed Gain
SGExxx	Ground plane D-dot (electric), 1GHz(1G), 3.5GHz(3-5G), 10GHz(10G)
SGM2G	Ground plane B-dot (magnetic), 160 ps, 2.0 GHz, 1.1 x 10 ⁻⁴ m ²
SFExxx	Free space D-dot (electric), 1GHz(1G), 3.5GHz(3-5G), 10GHz(10G)
SFM2G	Free space B-dot (magnetic), 160 ps, 2.0 GHz, 2.2 x 10 ⁻⁴ m ²
BL3-5G	Balun, 500 Hz - 3.5 GHz, 50 Ω, SMA
BL10G	Balun, 100 kHz - 10 GHz, 50 Ω, SMA
VDOT8G	V-dot, 4.5 GHz, 20 kV for 1 ns pulse, coaxial 7/16
VDOT8GS	V-dot, 2.4 GHz, 75 kV for 1 ns pulse, coaxial HVM50K
VDOT200K	V-dot, 1.6 GHz, 200 kV for 1 ns pulse, coaxial HVM200K
HVM50K	High voltage connectors and cable assemblies 50 ohm, up to 75 kV
HVM200K	High voltage connectors and cable assemblies 50 ohm, up to 200 kV
PULSELab	Pulse measurement software application



Montena Technology sa.

Is specializing in advanced solutions for HEMP & electromagnetic compatibility (EMC), high-voltage pulse generation, and MIL-STD testing. Equipment for EMP, CS115, CS116, CS114, RS105, pulse measurement, analog fiber-optic links. HEMP Custom Systems



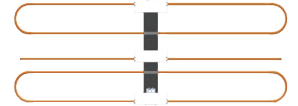
Haefely AG

Founded in 1904, over a century of history of producing only the highest in quality transient EMC test equipment. MIL-STD and DO160 -- ESD and full setup of accessories.



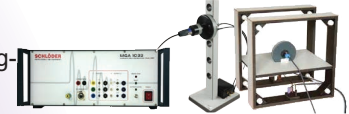
SteppIR Communication Systems

The New Standard for MIL-STD-461G/H, Antenna System for 30-200MHz, 200V/m with <2500Watts! @ 1 m !



Schlöder GmbH

EMC test equipment for over 30 years. Offering MIL & DO160 Low Freq. Magnetic field generators. RS101, CS101, CS109, Sec 18 /19...



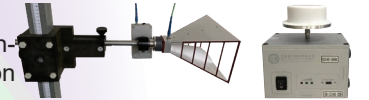
The Conformity Assessment Business

Offering hard to find test equipment items for Military EMC, Magnetic loops, LISNs and DEF-STAN Generators



EMC Instrumentation Corp

Offers High Quality Pre-Amplifiers (low-noise amplifiers) and Comb Generators for the EMC market with options for every emissions application - Radiated and Conducted.



LUMILOOP GmbH

Power-over-Fiber (PoF) technology with super fast read times to see and monitor AM and fast Pulse modulations. Field Probes and Power Meters



mk-messtechnik GmbH

Develops and produces electronic test and measuring systems with high immunity against electromagnetic fields. Camera and Audio systems, OptoLINKs - CAN, USB, Ethernet, LIN, 1394, RS232, TTL, UART, DC Power



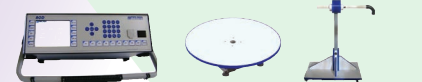
SCHWARZBECK Mess-Elektronik

The worlds most known manufacturer for EMC and RF antennas and accessories. Many Products meeting MIL-STD/DO160 Requirements: LISN HV/H-Power, Antennas, Bicons, LPs, Horns, Monopoles, Loops



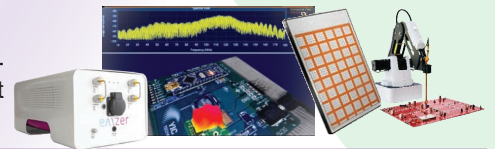
Maturo GmbH

Low Reflective Moving Devices: Antenna Masts, Turntables, Positioners, Dynamometers, OTA, Cable Slides



Y.I.C. Technologies & EMZER

Pre-complamt solution to help you pass from the start of development. PC Board Scanners, (EMSCANNER) and low cost CE measurements with EMScope



Absolute EMC Llc.

We have earned a reputation for honesty and responsiveness—both before and after the sale—by offering partner products, a knowledgeable sales force, and local support. Our inventory includes wood and foam EMC test tables, EUT/DUT support items, cost-effective tripod and monopole systems, and EMC RF coax cables. With extensive experience in test system design, we integrate your preferred equipment or partner solutions into complete setups, from small pre-compliance arrangements for conducted or radiated emissions to fully equipped labs for full compliance testing.

