



EMI SIMULATOR

PROVIDED BY

ZEONICS SYSTECH

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EMP SIMULATOR



Simulating EMP pulses in a lab or for testing is very essential not only to understand the characteristics of the pulses, but also to understand what steps can be taken to mitigate their effects. E1 Simulator simulates the effect when gamma radiation from the nuclear detonation ionizes atoms in the upper atmosphere. This System produces a very large, but very brief, electromagnetic pulse over the test area of 70 x 70mm.





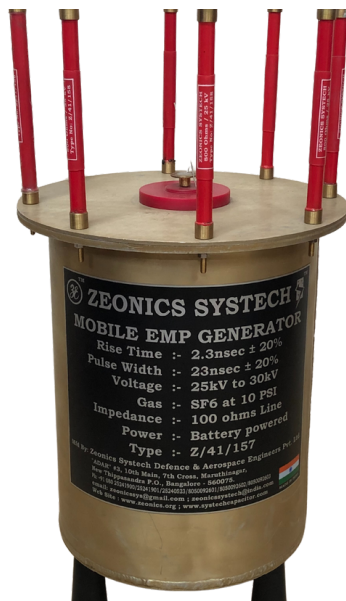
HIGH VOLTAGE NEMP SIMULATOR

Voltage	25kV Pulser
Rise Time	2.3ns $\pm$ 0.5ns
Power	23ns $\pm$ 5ns
Strength	MIL 461 E/F/G
Reputation Rate	Max 50PPS
Field Strength	$\geq$ 50kV/meter
Pulser Used	Integrated Pulser, with gas controls, Lateral Injection
Dimension of Object	70mm x 70mm x 70mm (or) 70mm x 220mm x 35mm
Z/48/146	



EMI FILTER

Working Voltage	40 kV DC
Peak Current	30kA
Energy	400 Joules
Rise time of System	$\approx$ micro seconds
Pulse Energy	1.2 Gigawatts
Configuration	Mobile
Switch	Gas filled Trigatron
ZHS/01/54	



MOBILE EMP GENERATOR

Input Voltage	Battery or 230 Volts AC 50Hz
Output Voltage	Typically, 2.3nsec /23nsec waveform
Impedance	100Hz termination Impedance
Battery Life	Typically 200 shots battery charge
Feel strength	More than 50 kV/Meter
Z/41/157	



EMP PULSE GUN SOURCE

Input	230V 50 Hz, 1 Phase
Output	180kV output pulse
Rise Time	$\leq 3.0\text{ns}$
Construction	180kV, Marx Generator
Z/37/10	



NUCLEAR EMP SIMULATOR

Voltage	25kV Pulser
Rise Time	$2.3\text{ns} \pm 0.5\text{nsec}$
Power	$23\text{ns} \pm 5\text{ns}$
Strength	MIL 461 E/F/G
Reputation Rate	Max 50PPS
Field Strength	$\geq 50\text{kV/meter}$
Dimension of Object	70mmx70mmx70mm(or) 70mx220mmx35mm
Z/31/126, Z/39/142	

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We have experience for more than 42 years in the fields of
High Voltage & Pulse Power having more than 100 citations
from all over the world from Weapon Scientists, Nuclear
Armament Labs, and several High Voltage Engineers and
Scientists.

**WE CUSTOM DESIGN, SO DON'T HESITATE TO CONNECT
WITH US!**

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