



**montena**

## NEMP Pulse Generator RS105 10 kV



This generator is used to measure the performance of points of entry and of protective devices according to MIL-STD-461 / RS105 (NEMP: nuclear electromagnetic pulse). It produces double exponential voltage pulses which can be provided to GTEM or TEM cells for the test of small size pieces of equipment or components. An important advantage of this generator is the wide amplitude range from less than 0.2 kV to 10 kV. It can be fully controlled by a computer through a RS232 and USB interface. We also provide all the necessary accessories like high voltage TEM cells, cables and measurement system. The automation software is also proposed as an option.

### SPECIFICATIONS

<b>Type</b>	<b>EMP10K-2-23</b>
<b>Standard</b>	MIL-STD-461 E/F RS105 (NEMP)
<b>Peak open circuit voltage</b>	typically $\leq 0.2$ kV to $\geq 12$ kV, positive only
<b>Impedance</b>	50 ohm
<b>Rise time (10 – 90 %)</b>	2.3 ns $\pm$ 0.5 ns
<b>Pulse length on 50 ohm (50 – 50 %)</b>	23 ns $\pm$ 5 ns
<b>Charging time</b>	< 10 sec
<b>Output connectors</b>	HVM50K
<b>Interface</b>	RS 232 / USB
<b>Power rating</b>	85 - 264 V <sub>ac</sub> / 50 - 60 Hz / 150 VA
<b>Storage / working temperature</b>	5 - 50 °C / 15 - 45 °C
<b>Dimensions</b>	56 x 19 x 45 cm (L x H x W)
<b>Weight</b>	15 kg