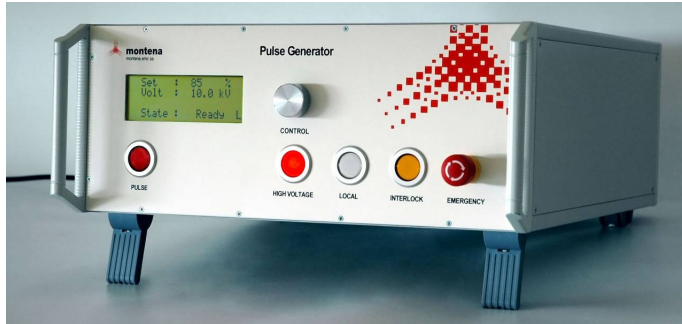


## PCI - Short Pulse Generator 10 kV



This generator is used to measure the performance of points of entry and of protective devices according to MIL-STD188-125-1/2 (PCI: pulse current injection). It produces double exponential current pulses of short duration. As an alternative to the 80 kV / 1.2 kA generator, this equipment allows the test of each wire of a cable bundle for which the total current of 5 kA is split in each connection. 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 current probes, coupling and decoupling networks, fibre optic links, etc. The automation software is also proposed as an option.

### SPECIFICATIONS

<b>Type</b>	<b>EMP10K-5-500</b>
<b>Standard</b>	MIL-STD-188-125-1 and -2 / short pulse
<b>Peak open circuit voltage</b>	typically $\leq 0.2$ kV to $\geq 12$ kV, positive only
<b>Source impedance</b>	$\geq 60$ ohm
<b>Peak short circuit current</b>	$\geq 200$ A
<b>Rise time of the current (short circuit)</b>	$< 20$ ns
<b>Pulse length (FWHM) (short circuit)</b>	500 - 550 ns
<b>Charging time</b>	$< 10$ sec
<b>Output connectors</b>	LEMO type FFA 3Y415
<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