

PCI - Short Pulse Generator 350 kV

This generator is used to assess the performance of conductive points of entry and of EMP protective devices according to MIL-STD 188-125-1/2 (PCI: pulse current injection). It produces double exponential current pulses of short duration up to 5 kA. It can be fully controlled by a computer through a fibre optic link. We 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

Type	EMP300K-5-500
Standard	MIL-STD-188-125-1 and -2 / short pulse (E1)
Type	Marx + peaking
Peak erected voltage	100 to 350 kV, positive only
Peak short circuit current	1.5 to 5 kA
Source impedance	> 60 ohm
Current rise time (short circuit)	< 20 ns
Current pulse duration (short circuit)	500 - 550 ns (FWHM)
Repetition frequency	1 pulse every 30 sec
Insulation	SF ₆ and N ₂
Output connector	custom (connecting bar)
Control interface	USB over fibre
Power rating	90 - 264 V _{ac} / 47 - 63 Hz / one phase / 150 VA / fuse 10 AT
Storage / working temperature	-5 - 40 °C / 5 - 40 °C
Dimensions (W x H x L)	60 x 42 x 188 cm
Weight	175 kg