

PCI - Short Pulse Generator 350 kV



This generator is used to measure the performance of conductive 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 up to 5 kA. It can be fully controlled by a computer through a RS232 and USB interface. 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
Type	Marx + peaking
Peak erected voltage	50 to 350 kV, positive only
Peak short circuit current	5 kA max
Source impedance	60 ohm
Current rise time (short circuit)	< 20 ns
Current pulse length (short circuit)	500 - 550 ns (FWHM)
Repetition frequency	1 pulse every 30 sec
Insulation	SF ₆ and N ₂
Output connector	custom (connecting bar)
Interface	RS 232 and USB
Power rating	210 - 250 V _{ac} / 50 - 60 Hz / 600 VA
Storage / working temperature	5 - 50 °C / 10 - 45 °C
Dimensions (control unit / generator)	45 x 19 x 56 cm / 60 x 42 x 188 cm (W x H x L)
Weight (control unit / generator)	13 / 175 kg