

PCI - Charge Line Generator

This generator is used to check the performance of antenna point of entry protective devices according to MIL-STD188-125-2 (PCI: pulse current injection) or similar standards. The high voltage module, available in two versions covering different frequency ranges and connector interfaces, allows the application of the pulse close to the antenna port. Several charge line plugs of different lengths are supplied in order to generate frequencies in the specified range. A complete set of accessories such as current probes, connector adapters, fibre optic links, as well as Montena PULSElab measurement software application is proposed.



SYSTEM SPECIFICATIONS

Type	CLP40K
Standard	MIL-STD-188-125 / charge line or similar
Charging voltage	0.2 - 25 kV, positive only
Peak short circuit current	≥ 400 A (with the 30 MHz charge line plug)
Source impedance	50 ohm
Pulse rise time, on 50 ohm	< 5 ns
Charging time	< 30 sec
Number of charge line plugs	10
Charge line test frequencies	30, 40, 50, 75, 100, 125, 150, 175, 220 and ~250 MHz
Charge line and output connectors	2 x HVM50K(f), montena proprietary
Triggering of the generator	manually or by the remote control
Control interface	RS 232 and USB
Electrical safety	complies with EN61010-1
Power rating	85 - 264 Vac / 50 - 60 Hz / 150 VA
Storage / working temperature	5 - 50 °C / 15 - 45 °C
Dimensions (control unit)	56 x 19 x 45 cm (L x H x W)
Weight (control unit)	15.1 kg
Dimensions (HV module)	30 x 12 x 20 cm (L x H x W)
Weight (HV module)	3.2 kg

Ordering information

TYPE	DESCRIPTION
CLP40K	Charge Line generator, 0.2 - 25 kV, 30 to 250 MHz, 10 test frequencies