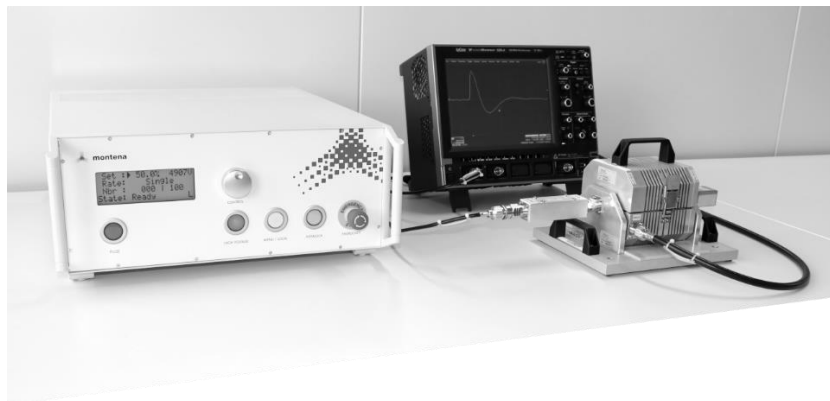


ESD Pulse Generator 10 kV

The PESD-ECSS-12K generator is designed for testing the susceptibility of space equipment to electrical transients coupled into wires by ESD. Now with the help of a Bulk Current Injection (BCI) probe, this new test method allows performing ESD immunity test with more reproducibility than with the original ECSS test setup.

The generator and the associated accessories have been evaluated in different configurations showing an improved reproducibility and a simpler testing procedure. Tests performed with this new system present the same severity as the ECSS wire injection method and are therefore accepted as equivalent.



SPECIFICATIONS

Type	PESD-ECSS-12K
Standard	ECSS-E-ST-20-07, new version in preparation
Charging voltage	20 V to 10 kV, positive only
Voltage pulse shape	damped oscillatory waveform
Pulse rise time (10-90%, on 50 Ω)	750 ps +/- 30 %
Pulse length (FWHM, on 50 Ω)	3.0 ns +/- 15 %
Loading time	≤ 0.5 sec
Output connector	N 50 ohm
Triggering of the generator	single shot, repetitive or by remote control
Repetition rate	0.01 to 1 pps
Counter	up to 999 pulses
Interface	RS 232 or USB
Power rating	85 - 264 Vac / 50 - 60 Hz / 150 VA
Electrical safety	complies with EN61010-1. Safety circuit loop 24 Vdc / 500 mA max.
Storage / working temperature	5 - 50 °C/ 20 - 40 °C
Dimensions	56 x 19 x 45 cm (L x H x W)
Weight	13 kg

Ordering information

TYPE	DESCRIPTION
PESD-ECSS-12K	ESD pulse generator according to ECSS standard