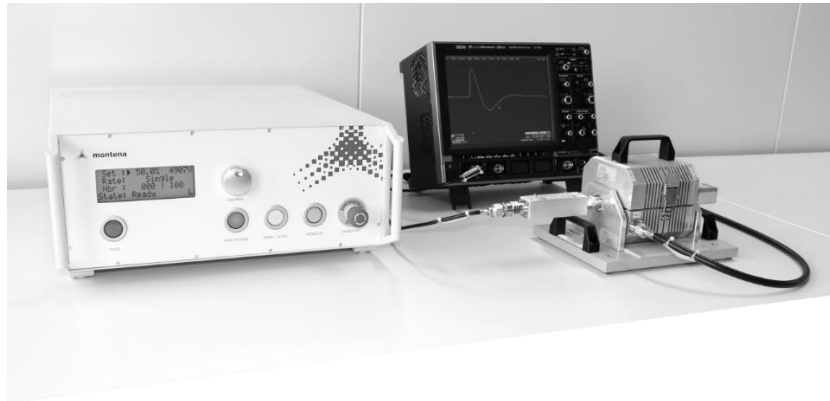


ESD Pulse Generator 10 kV

The PESD-ECSS-12K generator complies with the requirements of the standard ECSS-E-ST-20-07C Rev.2. This transient generator is designed for testing the susceptibility of space equipment to the electromagnetic effects of electrostatic discharges wire-coupled to the cable bundles. Now with the help of a current injection probe, this new test method allows performing the specified test with more reproducibility than with the previous ECSS test setup.



SPECIFICATIONS

Type	PESD-ECSS-12K
Standard	ECSS-E-ST-20-07C Rev.2 (3 January 2022)
Charging voltage	20 V to 10 kV, positive only
Voltage pulse shape	damped oscillatory waveform
Pulse rise time (10-90%, with injection probe IPDR250)	1.5 ns +/- 30 %
Pulse rise time (10-90%, on 50 Ω)	1.3 ns +/- 30 %
Pulse length (FWHM, with injection probe IPDR250)	3.0 ns +/- 1 ns
Pulse length (FWHM, on 50 Ω)	3.0 ns +/- 1 ns
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 std ECSS-E-ST-20-07C Rev.2

Related products / accessories

TYPE	DESCRIPTION
IPDR250	Injection probe, 10 kHz - 400 MHz, internal diameter : 43 mm
CJDR250	Calibration jig for the injection probe IPDR250

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