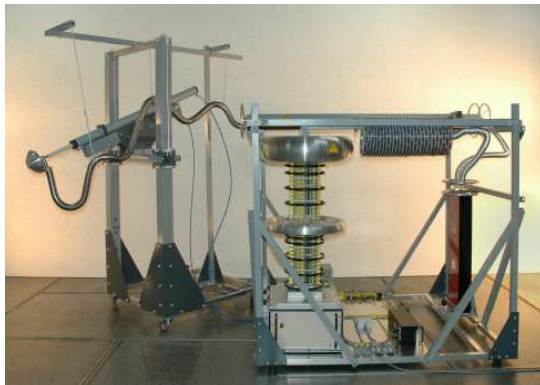




**montena**

## **ESD 300 kV Generator**

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This generator is used to produce an electrostatic discharge up to 300 kV for the conducted susceptibility testing according to NATO AECTP-250 (helicopter test) or to NATO STANAG 4239. It consists of a high voltage DC power supply, a special capacitor, a control unit and a moving electrode which is actuated pneumatically by a control unit. The electrode can be placed toward the tested helicopter in many orientations in order to achieve the spot to stress.

The PST-50K precipitation static simulator (p-static) is also available as an option. It is required for the test of the susceptibility of the electrostatic electricity due to the rain or snow precipitations on airplanes and helicopters.

### **SPECIFICATIONS**

<b>Type</b>	<b>PGESD-300k</b>
<b>Standards</b>	NATO AECTP-250 (feb. 2009) NATO Stanag 4239
<b>Nominal charging voltage</b>	300 kV $\pm$ 1 %
<b>Voltage range</b>	15 to 300 kV
<b>Maximum charging current</b>	6 mA
<b>Capacitor</b>	1 nF $\pm$ 5 % 350 kVdc
<b>Output impedance</b>	< 1 $\Omega$
<b>Total inductance</b>	about 5.5 $\mu$ H
<b>Short circuit current</b>	about 4.5 kA (with a ground return wire of 3.5 m)
<b>Electrode height adjustment</b>	1 - 2.2 m
<b>Electrode trip length</b>	1.0 m
<b>Control unit</b>	with microcontroller, full interface with a computer or manual control
<b>Interface</b>	RS 232 and USB
<b>Power rating</b>	3 x 400 VAC / 4 kW peak / 50 - 60 Hz
<b>Storage / working temperature</b>	5 - 50 °C / 15 - 45 °C
<b>Dimensions</b>	150 x 265 x 295 cm (L x H x W)
<b>Weight</b>	223 kg

*Other configurations available on request.*