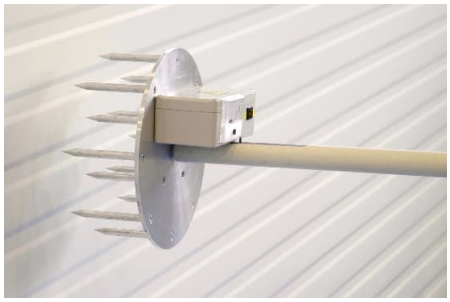
Precipitation Static Simulator

The precipitation static simulator is used to apply electrostatic charges to a section of an aircraft on the ground in order to verify the susceptibility of airborne systems - such as antenna-connected receivers - to the precipitation static (P-static) effects caused by fluid flow, air flow, etc which aircraft encounter during flight, in accordance with the MIL-STD-464 or NATO AECTP-250 Leaflet 253. By simulating current, sparking, or corona noise, this test set helps identify electrostatic issues, enabling the implementation of corrective measures to eliminate sources of noise on the aircraft.

The P-static simulator includes a test rod composed of a field concentrator head, a current meter and an emergency switch, an 18-meter (60 ft) interconnecting cable and a high-voltage power supply.



SPECIFICATIONS	
Type	**PST**
Standards	MIL-STD-464 C/D, NATO AECTP-250 Leaflet 253
Polarity	reversible, by replacing a HV module
Current meter	2 selectable ranges: 500 µA or 100 µA full scale / ± 5 %
Diameter of the field concentrator	30 cm
Surface of the field concentrator	0.07 m2
Maximum current	≥500 µA @ 60 kV
Approx. maximum current density	7'000 µA/m2
Number of tips	20
HV cable length	18 m (60 feet)
Rod length / weight	215 cm / 3.5 kg
Input power ratings	230 VAC / 50-60 Hz / < 300 W or 110 VAC / 50-60 Hz / < 300 W
Power supply ratings	0 - 60 kV / 60 W
Power supply dimensions	482 (19") x 44 x 482 mm (W x H x D)
Power supply weight	about 8 kg

Ordering information

TYPE	DESCRIPTION
PST-230	P-static simulator 230VAC according to MIL-STD-464 or NATO AECTP-250, including a test rod, an 18-meter interconnecting cable and a high-voltage power supply with reversible polarity, Imax ≥500 uA @ 60 kV
PST-110	P-static simulator 110VAC according to MIL-STD-464 or NATO AECTP-250, including a test rod, an 18-meter interconnecting cable and a high-voltage power supply with reversible polarity, Imax ≥500 uA @ 60 kV

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