

7300 Static Generator

Static electricity is increasingly used as a method of temporary adhesion in industrial processes. The new 7300 Static Generator provides a safe, controllable, reliable and cost-effective method of generating static charge.



Benefits and Advantages

- The 7300 uses solid state electronics and high frequency switching technology for stability and reliability. Regulation and stabilisation better than 5%.
- The 7300 is overload-, short-circuit and spark protected for market-leading reliability.
- Full control for optimal performance - output adjustable from 0 - 30kV with 1mA of current available. Display of actual voltage.
- Use with 7080 Bar or custom designs with emitters which are resistively coupled to the HV for safe and even distribution of the static charge.
- The 7300 Generator can be wall or bench mounted.

How It Works:

Static electricity is widely used in industry for temporary adhesion. It is simple, clean, economical and easy to install.

The system consists of a Static Generator and one or more Charging Bar. The Generator produces direct current up to 30kV. The 7080 Bar emits this current in the form of an ion cloud.

Materials passing through this ion cloud become charged at the same polarity as the Generator on the side of the Bar, with a mirror image charge on the opposite side, produced by the earth. The non-conductive barrier (i.e. the material) prevents these two charges coming together - this is what causes the adhesion. If the barrier is a good non-conductor adhesion like plastic film the adhesion will be strong. If the material is less conductive, like paper, the adhesion will be weaker as more current will pass through the material.



7300 Generator with a 7080 Bar

Construction:	Powder coated steel with aluminium mounting plate.
Size:	100mm high x 200mm x 300mm. 4.7kg net weight
Electrical:	Input 90 - 264VAC 50/60Hz. 30 Watt.
Output:	0-30kV variable with finger dial. 1mA max current. Digital display. Customer to specify positive or negative polarity. One HV output connection is standard - up to 4 can be specified.
Load:	Up to 8m of Bar and 10m of Cable.
Installation:	Dry, oil-free location required with ambient temperature of 50° or less.
CE Compliant:	Low Voltage Directive: 72/23 EEC EMC Directive: 89/336/EEC

