7330
Static Generator

The 7330 Static Generator has been designed to allow full integration with the controls of a machine or process.

It provides safe, controllable and reliable power up to 30kV, 1.1mA from a 24VDC supply. It offers local or remote control of voltage or current.

Benefits and Advantages

- The 7330 uses solid state electronics and high frequency switching technology for stability and reliability. Regulation and stabilisation better than 1%.
- Local or remote on/off and remote signal showing operational condition.
- Local or remote control of voltage or current - with LEDs showing which is active.
- Remote adjustment of high voltage or current with a 0 - 10V analogue control. Local adjustment through “Adjust” dial.
- 30kV / 1.1mA available. LED display of actual voltage / current.
- Fast rise and decay times (typical rise time 10-40mS, typical fall time 100mS)
- 24VDC supply
- The 7330 is overload, short-circuit and spark protected for market-leading reliability.
- Use with Fraser 7080 Bar or Pinner Bars with emitters which are resistively coupled to the HV for safe and even distribution of the static charge.
- Connections for 2 Static Generator Bars are standard. Can be used with a connector box for multi-Bar installations
- The 7330 Generator can be wall or bench mounted.
- Supplied with 7 Pin connector and 5m cable.

How It Works:

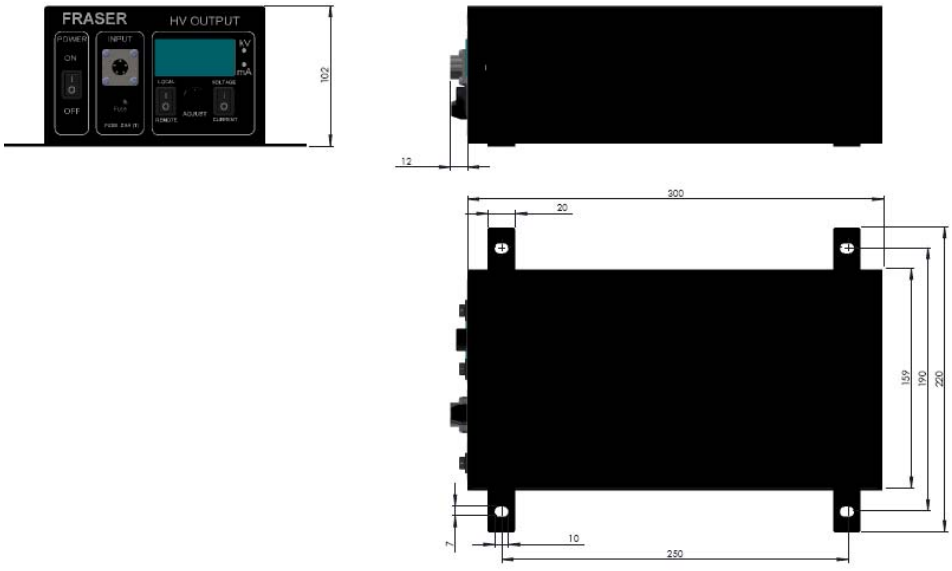
Static electricity is widely used in industry for temporary adhesion. It is simple, clean, economical and easy to install.

The system consists of a Static Generator and one or more Charging Electrodes - which can be longer Bars, or single point devices. The Generator produces direct current up to 30kV. The electrodes emit 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 electrode with a mirror image charge on the opposite side, produced by the earth or electrode of the opposite polarity 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, 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.

Control Static Electricity

Construction:	1.5mm steel with mounting brackets. 3.6kg net weight.
Size:	Box: 100mm high x 160mm x 300mm. Mounting holes: 190mm x 250mm, 7 x 10mm ellipse holes.
Electrical:	Input voltage: 22-26 VDC Input current: Max 2.0A under all operating conditions Fuse: 2.5A/250VAC Connection: 7 way AOPULO connector on front panel PIN 1: 24VDC input PIN 2: Ground (24VDC return) PIN 3: fault indication (LED “on” = fault PIN 4: HV switch (grounded = switch on) PIN 5: Working indicator (LED “on” = working) PIN 6: High Voltage level control 0 - 10V Pin 7: High Voltage control return A connector plug and 5m cable are supplied
Output and Control:	Switches on box to select local / remote and voltage / current control. 0-30kV / 1.1mA variable through external 0-10V analogue control or local “Adjust” pot. . 3 ½ digital LED display showing actual Voltage or Current - LEDs indicate which has been selected by operator Ripple: better than 2% peak to peak at full load Regulation: better than 1%. Protected against overload, arcing and short circuit. Customer to specify positive or negative polarity.
Load:	Up to 10m of Bar and Cable, depending on installation Two HV output connections. An external connector box is available for more than two bars.
Installation:	Dry, oil-free location required with ambient temperature of 40° or less. The enclosure is IP50 so the atmosphere should not be wet or condensing.
CE Compliant:	Low Voltage Directive: 72/23 EEC EMC Directive: 89/336/EEC



FRASER
Anti-Static Techniques

Scotts Business Park, Bampton, Devon, GB, EX16 9DN
T + 44 (0) 1398 331114
F + 44 (0) 1398 331411
E sales@fraser-antistatic.co.uk
www.fraser-antistatic.co.uk

No. 961026