

# GENERATORS

## 7000 SERIES STATIC GENERATORS

The 7000 Series is the most comprehensive range of static generators for temporary adhesion. Using the latest high voltage technologies, they offer the industrial user the highest level of reliability, performance and safety.

The range includes 30 kV and 50 kV Generators, with output powers of 60 W or 150 W, and 90-264 V AC or 24 V DC supply.

For lower power applications see also the Datasheet for the Fraser 7333 30 kV 1 mA Generators designed for full integration into production machinery.



### Benefits and Advantages

#### Performance

- > The 7000 series Generators use solid state electronics and switching technology for stability and reliability.
- > There are 8 models in the range.
- > Fast rise and decay times.
- > Two HV output connections, more connections available with external connector box.
- > Available in positive or negative polarities to be specified at time of order.
- > Dual local and remote controls.
- > Constant voltage and constant current controls.

#### Control Interface

- > The control interface gives the operator complete remote control of the functions of the 7000 Generators.
- > On - Off switching of the high voltage.
- > High voltage setting and adjustment.
- > Setting and adjustment of current limits.
- > Remote sensing of actual output voltage and current for easy display.
- > For complete ease of installation the Generators provide a 10 V DC supply for all of the above functions - the customer does not need to supply additional power.

#### Remote Monitor

- > A remote monitoring system checks the High Voltage output status of the Generator. Voltage free relay contacts are provided to switch an alarm or feedback to a PLC.

#### Reliability

- > Short-circuit and arc protected output.
- > Overvoltage and under voltage protected input.
- > Rugged mechanical enclosure for wall or bench mounting.

#### Safety

- > Multiple levels of protection for market-leading safety in operation.

# Specification

## Construction

- > 1.5 mm steel with mounting brackets.

## Load

- > Two HV output connections. An external connector box is available for additional HV outputs.

## Installation

- > Dry, oil-free location required with max ambient temperature of 40°. Max 70% rH, not wet or condensing.

## Approvals

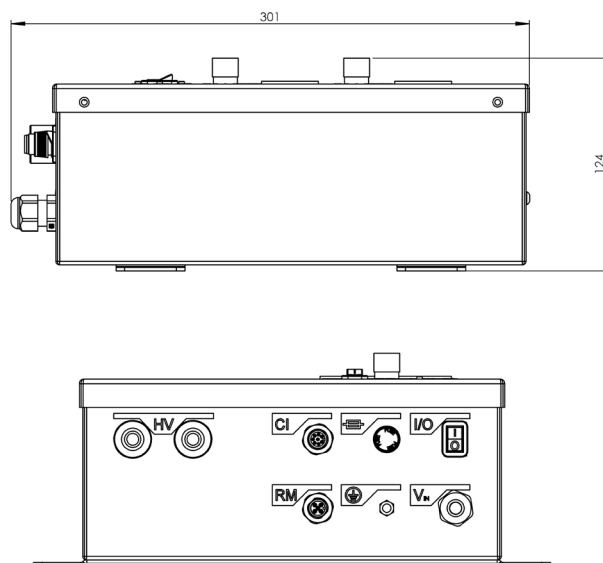
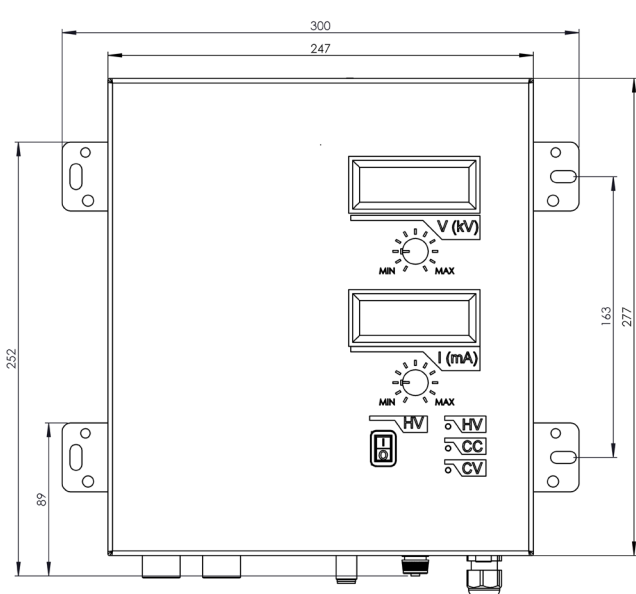
- > Low Voltage Directive: 2006/95/EC.
- > EMC Directive: 2004/108/EC.

Model	Input Power	HV Max	Output Current	Output Power	Local Operation	Remote Operation	Remote Monitoring	HV & I Limiting	HV Connections *
<b>7360 DC</b>	24 V DC	30 kV	2 mA	60 W	Yes	Yes	Yes	Yes	2
<b>7360 AC</b>	90-264 V 50/60 Hz	30 kV	2 mA	60 W	Yes	Yes	Yes	Yes	2
<b>7560 DC</b>	24 V DC	50 kV	1.2 mA	60 W	Yes	Yes	Yes	Yes	2
<b>7560 AC</b>	90-264 V 50/60 Hz	50 kV	1.2 mA	60 W	Yes	Yes	Yes	Yes	2
<b>73150 DC</b>	24 V DC	30 kV	5 mA	150 W	Yes	Yes	Yes	Yes	2
<b>73150 AC</b>	90-264 V 50/60 Hz	30 kV	5 mA	150 W	Yes	Yes	Yes	Yes	2
<b>75150 DC</b>	24 V DC	50 kV	3 mA	150 W	Yes	Yes	Yes	Yes	2
<b>75150 AC</b>	90-264 V 50/60 Hz	50 kV	3 mA	150 W	Yes	Yes	Yes	Yes	2

Standard Models

All models are available in positive or negative polarities (to be specified at time of ordering).

\*Connector Boxes are available where more than 2 electrodes need to be served.



## Accessories

The **7000 DC** units are supplied with a 5 m 24 V DC Power Cable and 5m earth lead as standard, the **7000 AC** units are supplied with a 5 m integral power lead and a 5 m earth lead.

Please order Control Interface Cable separately - options in table on right.

Description	Part Number
Control Interface M12 x 8 Pin Cable - 5 m	80777
Control Interface M12 x 8 Pin Cable - 10 m	80973
Remote Monitor M12 x 5 Pin Cable - 5 m	80778
Remote Monitor M12 x 5 Pin Cable - 10 m	80974
M12 x 4 Pin 24V Power Cable - 5 m (included)	80779
Extra m of Mains Cable for AC Version	80308



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