



IONFIX Static Generator

High Voltage Static Generation in a Compact Unit

APPLICATIONS

- Temporary adhesion
- Hole detection
- Product charging
- Material separation



BENEFITS

- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

Using the latest high voltage technologies, IONFIX sets new standards in performance, control and ease of use.

- Designed for manual use or for complete integration within a process.
- Full range of features and capabilities in a compact and versatile construction
- Available in positive and negative polarities
- Remote operation and signals available
- Display rotates 180°
- Large, clear LED display and interface



IONFIX Benefits & Advantages

PERFORMANCE:

- 0 to 30kV
- 20 Watts of power, giving 1mA at 20kV and 0.67mA at 30kV
- four output connections
- available in positive or negative polarities
- fast rise and fall times

ELECTRICAL:

- supply: models available with 24V DC or 85-264V 50/60 Hz
- remote operation and signals through 25-way D type connector

MOUNTING:

- versatile mounting brackets and the 180° rotation of display allow mounting on bench, under bench or on wall

CONTROL:

- easy to use, clear, simple keypad controls with dedicated buttons
- user interface has large, clear display with precise running information and fault analysis
- large, clear LED display of operating status
- remote operation available for on/off, adjustment of voltage and adjustment of current limit

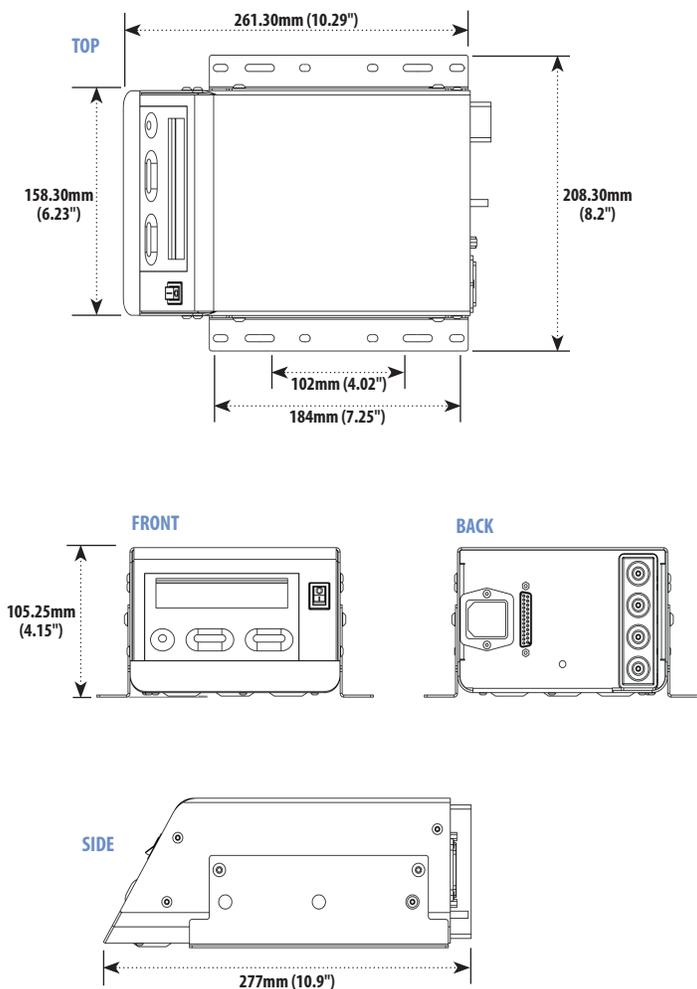
RELIABILITY AND SAFETY:

- protected against overload, short-circuit, sparking and mis-wiring
- multiple levels of safety circuitry
- designed to comply with harmonized safety standard EN 62368-1:2014
- connectors rated at 60kV

IONFIX Specifications

DIMENSIONS:

277mm (10.9") x 158.3mm (6.23") x 105.25mm (4.15")



CONSTRUCTION:

- powder coated steel
- flexible mounting brackets
- modular design for easy replacement of parts over a long life

INSTALLATION:

- dry, oil-free location
- ambient max. 50°C (125°F), 70% RH, non-condensing

APPROVALS:

- Low Voltage Directive: 2014/35/EU
- EMC Directive: 2014/30/EU

ELECTRICAL:

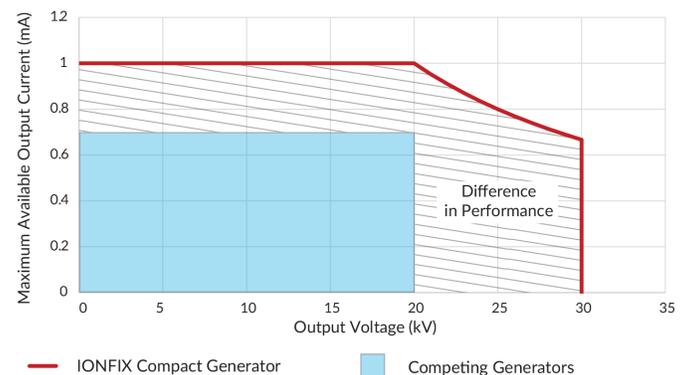
IONFIX-DC

- 24V DC
- 2A terminal block and 5m cable supplied

IONFIX-AC

- 85-264V AC 50/60Hz 1A
- IEC 320 C14 inlet and connector

Unique power distribution of IONFIX Generator:



IONFIX Part #s

IONFIX Static Generator

GN-IONFIX(N)-AC	IONFIX-Compact-Negative-AC
GN-IONFIX(P)-AC	IONFIX-Compact-Positive-AC
GN-IONFIX(N)-DC	IONFIX-Compact-Negative-DC
GN-IONFIX(P)-DC	IONFIX-Compact-Positive-DC

Hand Held Wand

GN-7097	Hand Held Wand
GN-81304	Additional HV Cable (per m)
GN-81292	Low Voltage Control Cable (per m)
GN-73021	60kV Ionfix Connection

Connector Box

GN-7700	Connector Box
GN-7700-R	(with 100 MOhm resistor)
GN-81304	Additional HV Cable (per m)

IML Electrodes

GN-771(1m)	Single Point
GN-771R(1m)	(with 100 MOhm resistor)
GN-772(1m)	Single Pin
GN-773(1m)	Ring Terminal
GN-81319	Additional Silicon Cable (per m)
GN-77020	Additional 7700 Connector

IML Splitter

GN-7701	Basic Splitter Box - 1 electrode
GN-7702	Basic Splitter Box - 2 electrodes
GN-7703	Basic Splitter Box - 3 electrodes
GN-771(500mm)	Single Point
GN-772(500mm)	Single Pin
GN-773(500mm)	Ring Terminal
GN-81319	Additional Silicon Cable (per m)
GN-81036	Plated Emitter Pins
GN-73021	60kV Ionfix Connection
GN-77020	Additional 7700 Connector



GN-7097
Hand Held Wand



GN-7700
Connector Box



GN-7701
GN-7702
GN-7703
Splitter Box



GN-771
Single Point Electrode



GN-772
Single Pin Electrode



GN-773
Ring Terminal

7081 Charging Bars

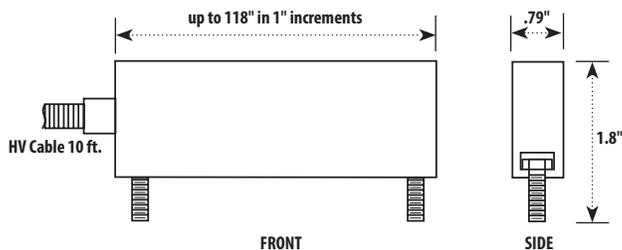


A safe, controllable, reliable and cost-effective method of applying static charge for temporary adhesion in applications including interleaving steel sheets, pinning plastic sheets and webs, bag making, wrapping machines.

Standard lengths available: 6", 12", 18", 24" and 36". Can be ordered up to 118" lengths in one inch increments.

Order as follows: GN-7081-###(10)

designates the length required; Ex: 12" bar is GN-7081-012(10)



Dimensions: H = 1.80" (46mm), W = 0.79" (20mm)

Dimensions, Length: up to 118" in 1" increments

Effective Length: 2" (50mm) less than overall length

Cable: 10' (3m) of in-line protected HV cable with screw-in connector

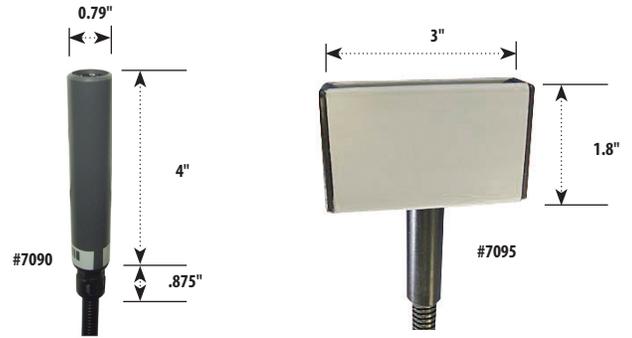
Emitters: "stay sharp" alloy

Mounting Studs: M8 x 60 MB Nylon

Operating Range:

- Effective operating distance depends on the application and material being processed. Plastic sheets and webs are much easier to charge than paper or other semi-conductive materials.
- Typical mounting distance from bar-to-object to be charged is 1.5" for 30,000 volts and 1.25" for 15,000-20,000 volts. Start at 2.25" from the object to be charged and reduce distance if required for better effectiveness.
- Mount bar straight and parallel with the object to be charged and the earth ground to ensure an even current coverage.

7090 and 7095 Static Pinners



For electrostatic charging of small areas and pinning. Use in "neck-in" applications on cast film lines, edge pinning of films, in-mold labeling and other areas where temporary adhesion of two materials is required.

	#7090	#7095
Size:	0.79" (20mm) dia. 4.875" (122mm) length	3" (75mm) x 1.8" (45mm)
Emitters:	tugsten carbide	6 emitter pins in special alloy
Safety:	100Mohm resistance	100Mohm resistance
Material:	Flame retardant UL94V0 PVC and epoxy	Flame retardant UL94V0 PVC and epoxy
Temperature:	60°C (140°F) max	60°C (140°F) max
Weight:	140g + cable	160g + cable
Cable:	6.5 ft (2m) of HT cable protected by nylon conduit	6.5 ft (2m) of HT cable protected by nylon conduit

7093 Edge Pinner



Designed to allow accurate, high performance edge pinning on film.

Size: 5.3" (220mm) length x 1.2" (30mm) width

Emitters: 0.12" (3mm), available in various lengths

Safety: Coupled to HV with 100MOhm

Material: PTFE Body; Titanium emitters

Temperature: Pinner and emitters 140°C (284°F);
Cable and conduit 80°C (176°F)

Cable: 6.5 ft (2m) of 60kV cable

Installation/Mounting: Supplied with polymer mounting brackets