



# HYPERION 945IPS™

## Mid-Range Ionising Bar

The new 945IPS Ionising Bar features new technology whilst retaining the key Hyperion features, including powerful 15kV output, ion current monitoring (ICM) technology, fault and cleaning alarms, and BarMaster and SmartControl Touch compatibility for adjustability and remote monitoring.

As a result of our continuous improvement program, the 945IPS includes several enhancements, which include pure Titanium emitter pins with a new rounded pin shape, designed for the highest level of performance and resistance to corrosion. Raised bar profile height, to optimise the ionisation performance of the powerful 15kV output. Mounting of the bar has also been considered, with a wide T-slot and new design T-slide to enhanced mounting performance.

### Features & Benefits

- Pure Titanium cone shaped pins, for long emitter life and optimum performance
- 15kV output voltage for powerful ionisation
- Optimised profile allowing for emitter pins to be mounted away from the grounding potential.
- T-Slot and T-slide designed for enhanced durability when mounted.
- Adjustable voltage, frequency and balance output via BarMaster or SmartControl Touch to allow fine tuning of performance for difficult applications.
- Tri-Colour LED for advanced status indication
- Dual alarm lines for clean pin and fault alerts, enabling remote monitoring for system maintenance.

# Technical Specification & Drawing

Dimensions (W x H)	30mm x 67mm
Length	300mm-3900mm
Weight	0.9kg/metre
Mounting	'T'-Slot with M4 x 25 T-slides
Optimum Operating Range	150mm - 600mm
Enclosure	FR ABS
Output Voltage	±2–15kV (Default 12.5kV) BarMaster or SmartControl adjustable
Output Frequency	1-20Hz (Default 5Hz) BarMaster or SmartControl adjustable
Output Balance	80:20 to 20:80 Pos:Neg (Default 52:48 Pos:Neg) BarMaster or SmartControl adjustable
Emitters	Pure Titanium pins
Electrical Connections	1x 4-pin M8 & earth terminal
Input Voltage	24V DC (22–26V DC)
Input Current	Maximum 625mA
Alarm Input/Output	Dual outputs for alert/fault monitoring (0V/24V) 1 x alert output (e.g. clean pin alert) 1 x fault output/standby input (adjustable via BarMaster)
Alarm Output Drives	Compatible with IEC 61131-2 type 1,2,3 plc inputs
Protection Class	IP66 Construction
Local LED Indication	Green/Yellow/Red LED
Maximum Ambient Temperature	60°C

