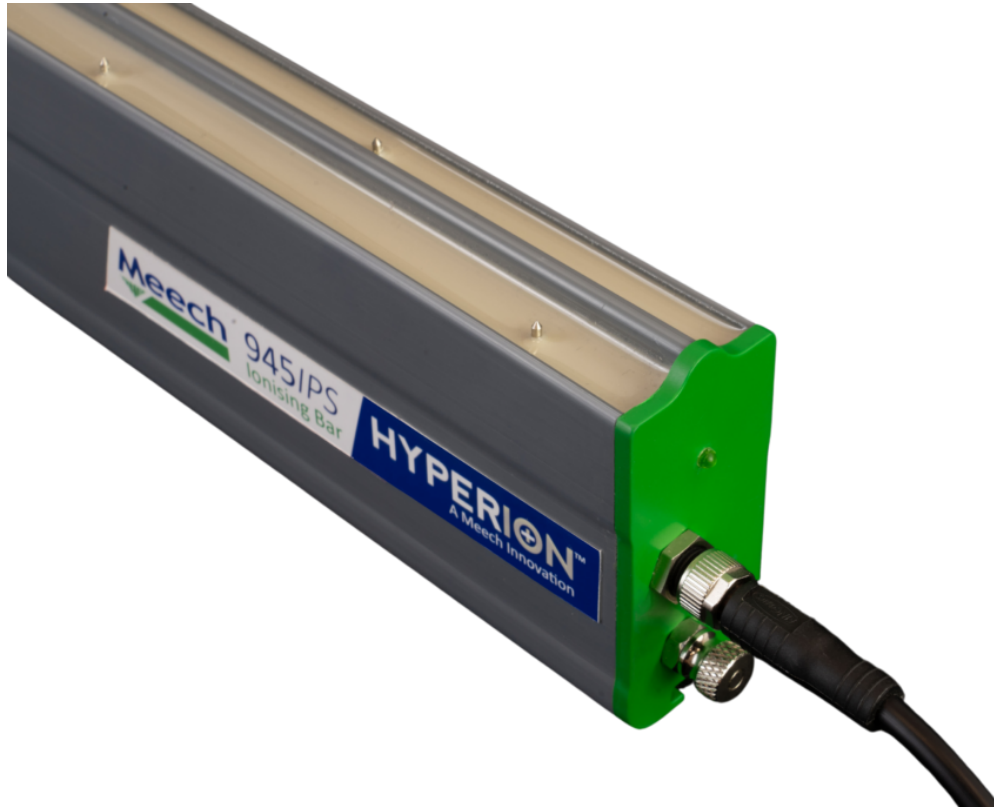


## 945IPS Mid-Range Ionising Bar



**Product Code:** A945IPS-XXXX

The 945IPS Ionising Bar introduces new technology, whilst retaining all the key features and benefits of our Hyperion™ range. In particular, it maintains powerful 15kV output, ion current monitoring (ICM) technology and fault/cleaning alarms. Additionally, it integrates with our [SmartControl Touch™](#) and [BarMaster Programmer](#) for adjustability and remote monitoring.

As a result of our continuous improvement program, the 945IPS Ionising Bar includes several enhancements that further improve its performance. For example, using pure Titanium emitter pins with a new rounded pin shape, specifically to deliver the highest level of performance and resist corrosion. Additionally, using a raised bar profile height optimises the ionisation performance of the powerful 15kV output. Furthermore, we have improved mounting of the bar, using a wide T-slot and a new design T-slide to enhance mounting reliability.

We have carefully engineered these features into the 945IPS Ionising Bar and as a result, created a market leading performance ionising bar. The 945IPS, therefore, can be used across many industries and applications.

# Product Data Sheet

Published Date: 20.05.2025



## Features & Benefits

<b>Operating Distance</b>	150-600mm.
<b>T-Slide &amp; T-Slot Design</b>	Larger T-Slot design and longer M4 T-slide ensures secure mounting.🔒
<b>Shockless Pure Titanium Emitters</b>	One of the best materials with extremely low wear rates. Resistively coupled for shockless operation.
<b>Slimlined End Cap Design</b>	Slimline end caps eliminate dead space, providing full-length active ionisation.
<b>Tri-Colour LED</b>	LED indication of operational status of bar, fault/needs cleaning or standby.
<b>Low Voltage Wiring</b>	Requires a 24V DC Power Supply, removing the need for high voltage wiring to the ionising bar.
<b>Dual Alarm Lines</b>	Dual alarm lines to tell PLCs, buzzers and remote lamps whether the ionising equipment needs routine maintenance or if there is a more serious system failure.
<b>Adjustable Output</b>	Default setting +/-12.5kV, can be adjusted which can be adjusted using the Hyperion <a href="#">BarMaster Programmer</a> or <a href="#">SmartControl Touch™</a> allowing the bar to operate at greater distances (up to 600mm).

# Product Data Sheet

Published Date: 20.05.2025



## Technical Characteristics

Construction	FR-ABS extrusion.
Emitters	Pure titanium cone shaped pins.
Dimensions	30 x 67mm (W x H).
Mounting	T-slide with M4 x 35mm studs.
Weight	Approximately 0.9kg per metre.
Mounting Height	To comply with UL 62368-1, the 945IPS must be mounted at a height ≤2m.
Output Voltage	Default 12.5kV, <a href="#">BarMaster Programmer</a> or <a href="#">SmartControl Touch™</a> adjustable between 2 to 15kV pos/neg.
Alarm/Local Status Indication	Dual outputs for signal/fault monitoring (0/24V): 1 x signal output (e.g. clean me), 1 x fault output/standby input (adjustable via <a href="#">BarMaster Programmer</a> ). Compatible with IEC 61131-2 Type 1, 2 & 3 PLC inputs. Green/yellow/red LED for local status indication.
Output Balance	Default 52:42 pos:neg, <a href="#">BarMaster Programmer</a> or <a href="#">SmartControl Touch™</a> adjustable between 80:20 to 20:80 pos:neg.
Electrical Input	24V DC (22 to 26V DC), maximum input current 625mA. 4-pin M8 & earth terminal connection.
Output Frequency	Default 5Hz, <a href="#">BarMaster Programmer</a> or <a href="#">SmartControl Touch™</a> adjustable between 1 to 20Hz.
Certification	CE & UL.
Environmental	Max ambient temperature: 0-60°C. IP66 construction. Suitable for most harsh environments.

# Product Data Sheet

Published Date: 20.05.2025

