



# HYPERION 314IPS HYGIENIC BAR

## Short-Range Pulsed DC Ionising Bar

The Hyperion 314IPS hygienic bar is a compact ionising bar for short range applications where hygiene and sterility is a critical factor. It shares the same ionisation and technical features of our popular Hyperion ionising bars, and is compatible with SmartControl Touch and BarMaster.

The smooth design minimises the risk of dirt and contamination getting trapped on the bar, and would be beneficial to industries where hygiene is critical, for example, Pharmaceutical, Medical Devices, and Food Packaging.

The 314IPS is the latest innovation to Meech and is the first of its kind. The compact bar meets relevant GMP (Good Manufacturing Practice) guidelines, and also features FDA compliant materials.

### Features & Benefits

- **Hygienic Design**  
Design minimises risk of dirt and contamination getting trapped on the bar. Materials used are also FDA compliant.
- **Adjustable Output**  
Ability to adjust the voltage, frequency and balance via BarMaster and SmartControl; leading to optimised performance for sensitive applications like RFID.
- **Low Voltage Wiring**  
Requiring a 24V DC supply removes the need for high voltage wiring to the ionising bar.
- **Integrated 24V DC power supply**  
This reduces the overall size of the bar, making it the most compact 24V DC bar available.
- **Dual alarm remote signal output**  
Enabling remote monitoring for system maintenance and fault alerts.

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## Technical Specification & Drawing

Dimensions (W x H)	25mm x 38mm
Maximum Length	920mm
Weight	Weight 1.54kg/metre
Construction	<p><b>Main Body: Top:</b> PTFE: Excellent chemical resistance, suitable for food contact (FDA &amp; EU approval), extremely non-adhesive and high degree of hydrophobicity.</p> <p><b>Base:</b> Copolymer acetal: Good chemical resistance, FDA and EU food contact approved. Cable: PVC with good resistance to oil, gasoline and chemicals. Emitters: Titanium - Excellent wear resistance.</p>
Mountings	2 x M5 x 6mm Female Locations
Input Voltage and Current	24V DC (21-27V DC) Max 500mA
Electrical Connection	4 Pole M8 male connector, 5m length
Output Voltage	Adjustable, +/- 3 to 7.5kV pulsed DC
Output Frequency	<p>Default: 20Hz (Adjustable 1-99Hz with BarMaster and SmartControl Touch)</p> <p>Note: Frequency settings &gt;20Hz are only required for specialist applications. Contact Meech for information.</p>
Output Balance	Default: 54% Positive, 46% Negative (Adjustable with BarMaster and SmartControl Touch)
Operating Range (mm):	20-150mm
Environmental Protection	IP66
Max Ambient Temperature	60°C
Certifications	CE

