



HYPERION⁺
A Meech Innovation

650QAC

Quasi AC Ionising Bar

The new 650QAC ionising bar features new technology to achieve a very low and stable offset voltage that is a requirement in applications such as the electronics industry where the ESD (electrostatic discharge) control standard requires ionising devices with offset voltages of less than +/- 35V.

Key QAC technology benefits:

- Quasi AC (QAC) high voltage waveform generates positive and negative ions from each emitter pin
- Delivers rapid ionisation with very low offset voltage
- Auto balancing technology to maintain performance

FEATURES

- Very low offset voltage +/-35V to meet ESD control requirements
- Auto balance technology to maintain low offset voltage. Total Ion Current Control (TICC)
- Pre-set distance configurations can be selected using the built-in keypad.
- LED indicator for cleaning alert and fault alert
- Air assist 6mm air connector for longer range applications
- Titanium emitter pins for long service-life and exceptionally good cleanroom compatibility
- Compatible with Meech remote programmers (e.g. BarMaster)
- Compact dimensions
- Replaceable emitter assembly allowing easy replacement
- 24V internal power supply

Technical and Construction Data

Dimensions (W x H)	31.4 mm x 69 mm Maximum length 656mm (effective 640mm)
Mounting	T-slide mounts
Materials	Body: ABS Plastic FR.
Emitters	Titanium (removable)
Ionisation method	Quasi AC output
Output voltage	± 7.5kV Adjustable
Output Frequency	Auto-Adjusted based on Operating Distance Pre-set. Adjustable with BarMaster (Recommended Range 5 - 20Hz).
Output Balance	Adjustable
Electrical Connection	4 Pole M8
Offset voltage	±35V
Operating Range	Pre-set range 50mm - 400mm
Input Voltage	24V DC (21-27VDC)
Input Current	Maximum 500mA
Alarm output	Dual alarm output for clean pin alert and fault alert (0V/24V)
Alarm output drives	PNP, NPN, N+P
Clean Pin Alert	0V/24V
Fault Signal Alert	0V/24V
Local LED Indication	Green/Red LED
Air-boost connection	6mm push fit
Air boost supply pressure	Maximum 2 bar / 29 PSI
Maximum Ambient Temperature	60°C

Technical Drawing

