

INNOVATIVE

Model 2100

AirStat® Digital Pulsed DC Bar Ionizer



FEATURES

- Innovative Digital Technology
- Pulsed DC Ion Emission
- Double Dense of Ions
- 3 Digit LED Display
- Audio & Visual LED Alarms
- IR Remote Controller
- Current Feedback Monitoring

BENEFITS

- Fast Discharge Time
- Highly Reliable Quality
- Output Parameter Display
- Daisy-Chained Operation

APPLICATIONS


Core Insight's innovative AirStat® Digital control Model 2100 Pulsed DC Bar Ionizer is designed to provide mini-environment ionization in the semiconductor wafer process, flat panel display, pharmaceutical and other clean environment applications. Double dense of ion output current results in fast discharge time than conventional design. Digital control system enables accurate adjustment of power output and feedback monitoring capability.

Model 2100 Pulsed DC Bar Ionizer is specially suited for small and medium size of mini-environments such as EFEM, SMIF and wafer exposed processes. Users can accurately set up output parameters such as voltage, and operating time through a remote controller or switches on the unit. With LED display and output audio alarms, users can identify failure status or cleaning cycle time.

Model 2100 AirStat® Digital Pulsed DC Bar Ionizer



Specifications

Input Voltage	24 VDC, 3 W Max, RJ-45 terminal
Output Voltage	0 to ±7kV, 100V resolution adjustable
Ion Emission	Pulsed DC Technology
Ion Balance	Adjustable for each application
Output Control	IR Remote Controller
Daisy-Chain	Up to 2 units by single Model 5120D DC adapter
Emitter Point	Single Crystal Silicon and Titanium
Timing	Output on time 0.1 ~ 99.9 seconds for each polarity at 0.1 second resolution adjustable
Alarm	Visual & Audio alarm operates for power failures and cleaning cycle schedule
Display	3 Digit LED
Operating Environment	Temperature: 15 ~ 35°C Humidity: 35 ~ 75% RH
Material	Enclosure: ABS plastic Bracket: Polycarbonate
Dimensions (mm)	95H x 39D x 600, 700, 900, 1200, 1600 and 2000 L (3.7"H x 1.5"D x 22", 28", 36", 44", 64" and 84" L)
Warranty	2 year limited warranty
Compatibility	ISO 14644-1 Class 1 Cleanroom Compatible
Certification	



- Easy Emitter Point Replacement
- Single Crystal Silicon Emitter Point
- Titanium Emitter Point

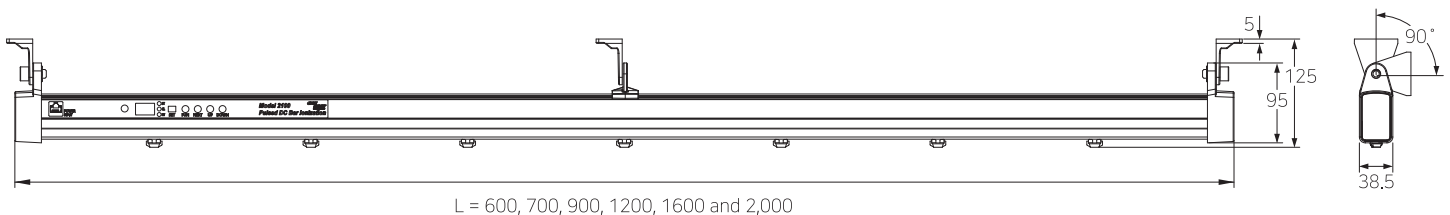
FMS Output Signal

Condition	FMS 3~4
Normal	Closed
Alarm	Open

Related Products & Ordering Information

Model 5220ES	Single Crystal Silicon Emitter Point
Model 5220ET	Titanium Emitter Point
Model 5711R	Remote Controller
Model 5120D	RJ-45 Terminal DC Adapter, 100 - 240 VAC 50/60Hz
Model 2100-xxx-ES	xxx mm length with Silicon Emitter Points
Model 2100-xxx-ET	xxx mm length with Titanium Emitter Points

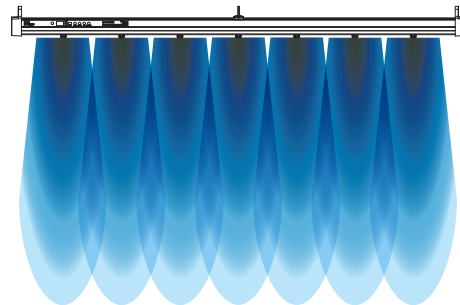
Size & Dimensions (mm)



Fast Discharge Time

Innovative Double Ion Dense Pulsed DC Bar Ionizer

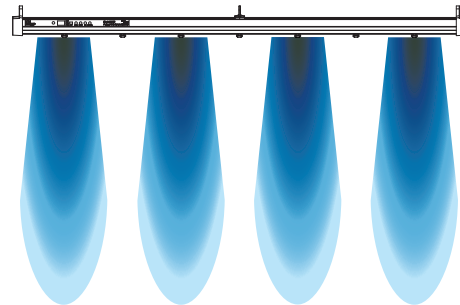
- Polarity Switching on Single Emitter Ion Emission Technology



- Uniform Coverage
- Double Dense of Ions
- Fast Discharge Time

Conventional Pulsed DC Bar Ionizer

- Designated Polarity Ion Emission Technology



- Non-uniform Coverage
- Half Dense of Ions
- Slow Discharge Time