

# Model 7110

AirStat® Digital Pulsed AC Bar Ionizer



## FEATURES

- Innovative Digital Design
- Pulsed AC Ion Emission
- Adjust All Output Parameters
- 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
- FMS Interface

## APPLICATIONS

Core Insight's AirStat® Digital control Model 7110 Pulsed AC Bar Ionizer is designed to provide ionization in the semiconductor wafer process, flat panel display, pharmaceutical and other contamination control applications. Digital control system enables accurate adjustment of power output and feedback monitoring capability.

Model 7110 Pulsed AC Bar Ionizer is designed versatile static control applications, especially suited for space limited environment such as automated process tool and manual assembly areas. Users can accurately set up output parameters such as voltage, frequency and duty cycle adjustment through a remote controller or switches on the unit. With LED display and output audio alarms, users can identify failure status or cleaning alarm by current feedback.

# Model 7110 AirStat® Digital Pulsed AC Bar Ionizer



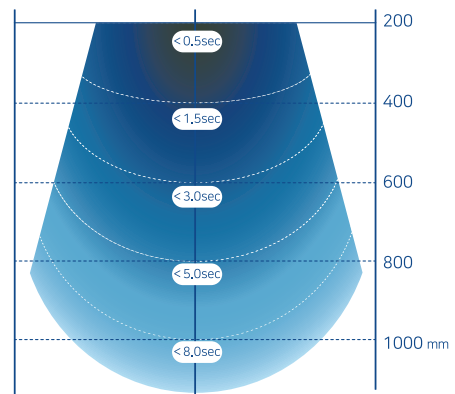
## Specifications

Input Voltage	24 VDC, 10 W Max, RJ-45 terminal
Output Voltage	0 to $\pm 7$ kV, 100V resolution adjustable
Ion Emission	Pulsed AC Technology
Ion Balance	Less than $\pm 35$ V or Adjustable for each application
Decay Time	Less than 1 second at 300mm
Output Control	IR Remote Controller
Daisy-Chain	Up to 2 units by single Model 5170D DC adapter
Emitter Point	Tungsten 99.99%
Frequency	1 ~ 50 Hz
Duty Cycle	Adjustable 1 ~ 99%
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 300, 400, 500, 600, 800, 1000, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800 and 3000 L
Warranty	1 year limited warranty
Certification	CE RoHS

## Fast Discharge Time

### Individual Output Parameter Adjustable

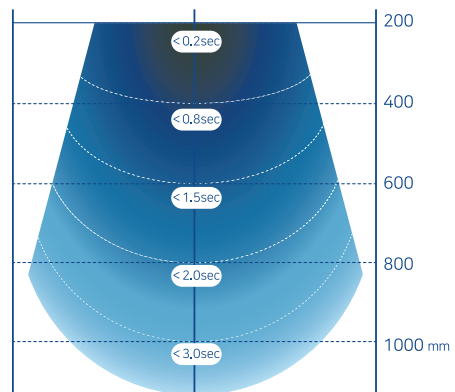
- High Voltage Output Adjustment
- Frequency Changes
- Duty Cycle Ratio Adjustment
- Air Pressure: 0.1 MPa
- Decay Time Test from  $\pm 1000$  V to  $\pm 100$  V
- Charge Plate Monitor, Model 156A/1



## FMS Output Signal

Condition	FMS 3~4
Normal	Open
Alarm	Closed

- Air Pressure: 0.3 MPa
- Decay Time Test from  $\pm 1000$  V to  $\pm 100$  V
- Charge Plate Monitor, Model 156A/1



## Related Products & Ordering Information

Model 5720EP	Tungsten Emitter Point
Model 5711R	Remote Controller
Model 5170D	RJ-45 Terminal DC Adapter, 100 ~ 240 VAC 50/60Hz
Model 7110-xxxx	xxxx mm length of Model 7110

## Size & Dimensions (mm)

