CORE INSIGHT
코어인사이트(주)

Model 2100

INNOVATIVE AirStat® Digital Pulsed DC Bar Ionizer

FEATURES

- Innovative Digital Technology
- Pulsed DC Ion Emission
- 3 Digit LED Display
- LED & Audio Alarm
- IR Remote Controller
- Current feedback monitoring

BENEFITS

- Fast Discharge Time
- Programmable ON/OFF timing
- Output Parameter Display

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.

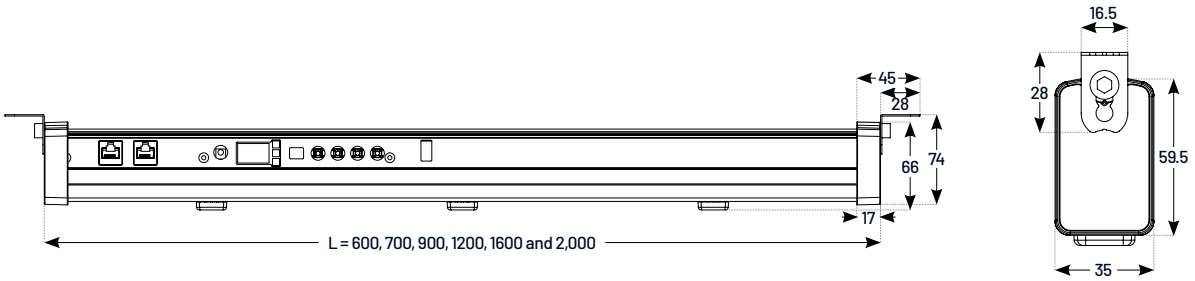
Model 2100 Pulsed DC Bar Ionizer is specially suited for small and medium size of mini-environments such as EFEM, SMIF and wafer exposed processes. Users can accurately set up output parameters such as voltage, and operating time through a remote controller or switches on the unit. With LED display and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

SPECIFICATIONS

Input Voltage	24 VAC, 3 W Max	**Material**	ABS plastic, Polycarbonate
Output Voltage	±7 kV DC, 100 V resolution adjustment	**Operating Environment**	Temperature: 15 - 35 °C, nominal Humidity: 35 - 75% RH
Ion Emission	Pulsed DC Technology	**Compatibility**	ISO 14644-1 Class 1
Display	3 digit LED display	**Daisy-Chain**	Up to 2 units
Balance	Adjustable for each applications	**Output Control**	IR Remote Controller
Timing	0.1-99.9 sec for each polarity 0.1 sec resolution adjustment	**Dimensions**	74 H x 35 D x L (600, 700, 900, 1200, 1600, 2000)
Control	High voltage output and timing adjustment for each polarity	**Weight**	1.2kg (1000mm length)
Emitter Points	Silicon Emitter compatible to ISO 14644-1 Class 1 Titanium Emitter compatible to ISO 14644-1 Class 3	**Warranty**	1 year limited warranty
Alarm	Visual (LED): clean, HVP fail alarm Audio (Buzzer): HVP fail, cleaning	**Compatibility**	ISO 14644-1 Class 1 Cleanroom Compatible
Monitoring	RJ-45 monitoring interface	**Certification**	CE RoHS UL LISTED

Model 2100 *INNOVATIVE* AirStat® Digital Pulsed DC Bar Ionizer

SIZE & DIMENSIONS (mm)



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

FACILITY MONITORING SYSTEM OUTPUT SIGNALS

Condition	FMS 3~4
Normal	Closed
Alarm	Open

RELATED PRODUCTS

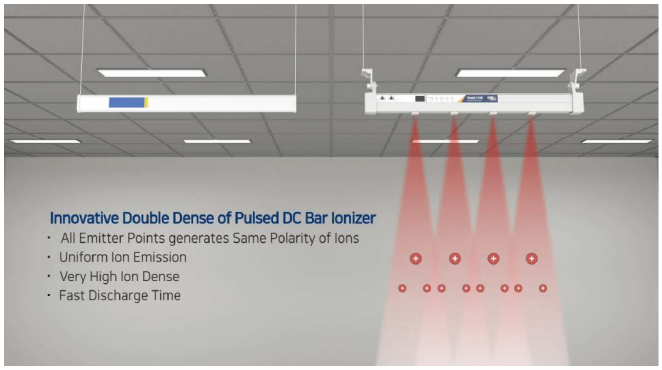
Model 5232ET	Titanium Emitter
Model 5233ES	Single Crystal Silicon Emitter
Model 5239J	Junction Box
Model 5711R	Remote Controller

Conventional Pulsed DC Bar Ionizer

Designated Polarity on each Emitter Points

Innovative Double Dense of Pulsed DC Bar Ionizer

All Emitter Points generates Same Polarity of ions



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