

Model 7110

AirStat® Digital Pulsed AC 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
- Output Parameter Display
- Power connection ready
- FMS Interface

APPLICATIONS

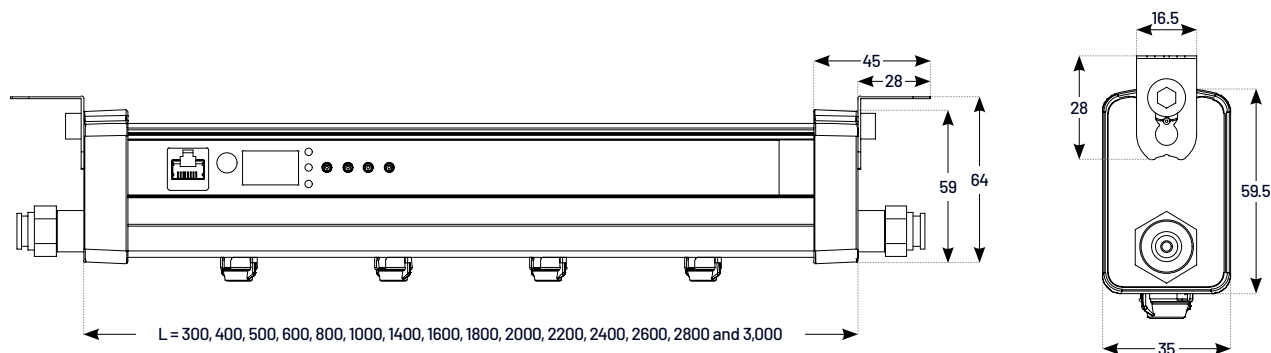
Core Insight's AirStat® Digital control Model 7110 Pulsed AC Bar Ionizer is designed to provide ionization for contamination control applications. Digital control system enables accurate adjustment of power output and feedback monitoring capability.

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.

SPECIFICATIONS

Input Voltage	24V DC, 10 W Max, RJ-45 terminal	Duty Cycle	Adjustable 1 ~ 99%
Output Voltage	0 to ± 7 kV, 100 V resolution adjustable	Alarm	Visual & Audio alarm operates for power failures and cleaning cycle schedule
Ion Emission	Pulsed AC Technology	Display	3 Digit LED
Ion Balance	Less than ± 35 V or Adjustable for each application	Operating Environment	Temperature: 15 ~ 35 °C, nominal Humidity: 35 ~ 75% RH
Decay Time	Less than 1 second at 300 mm	Material	Enclosure: ABS plastic / Bracket: Polycarbonate
Output Control	Model 5711R Remote Controller	Dimensions	64 H x 35 D x 300, 400, 500, 600, 800, 1000, 1400, 1600, 1800, 2000, 2200, 2400, 2600, 2800 and 3000 L
Daisy-Chain	Up to 2 units by single Model 5170D DC adapter	Warranty	1 year limited warranty
Emitter Point	Tungsten 99.99%	Certification	CE RoHS UL LISTED
Frequency	1 ~ 50 Hz		

SIZE & DIMENSIONS (mm)



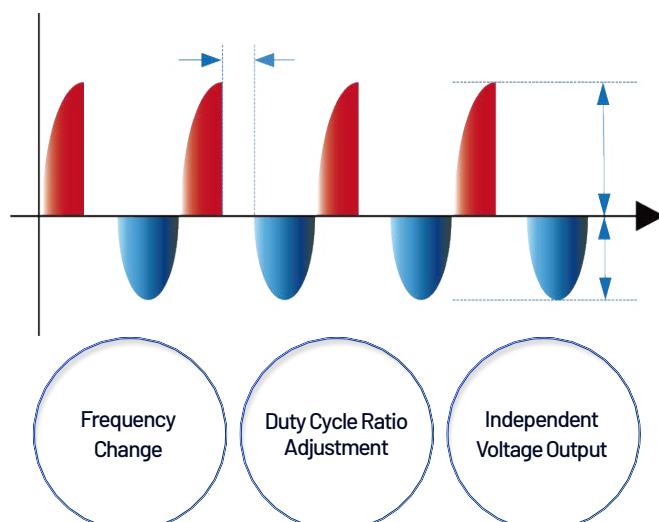
FACILITY MONITORING SYSTEM OUTPUT SIGNALS

No	Color	Function
1	Orange / White	24V DC
2	Orange	
3	Green / White	Run / Stop Status
4	Blue	Clean Status
5	Blue / White	HV Power Status
6	Green	Alarm CDM
7	Brown / White	GND
8	Brown	

RELATED PRODUCTS

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

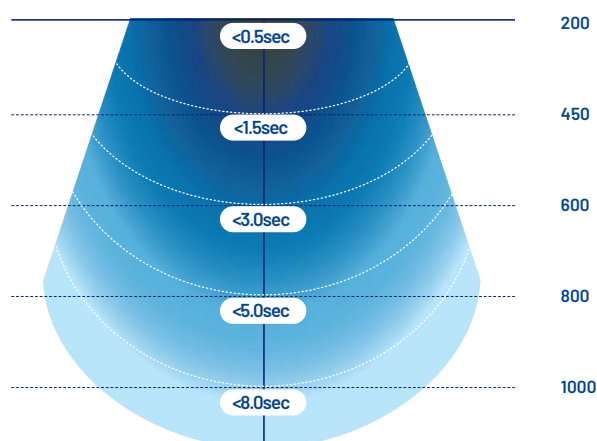
PULSED AC IONIZATION OPERATING THEORY



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 1000 V to 100 V
- Charge Plate Monitor, Model 156A/1

