

Model 7300

CoreStat® Steady-State DC Bar Ionizer



FEATURES

- Steady-State DC Ion Emission
- Intrinsic Self-Balance Technology
- Low Offset Balance
- Audio & Visual LED Alarms
- Versatile Application
- FMS Monitoring Interface

BENEFITS

- No Calibration
- No Swing Voltage
- Less Maintenance

APPLICATIONS

Core Insight's CoreStat® Self-Balanced Model 7300 Steady-State DC Bar Ionizer is designed to provide ionization in the ESD sensitive handling areas such as semiconductor back-end, surface mount and general electronic component handling applications. Steady-State DC Ionization does not make swing voltage signals which could lead an ESD event root cause in processes.

Model 7300 Steady-State DC Bar Ionizer is designed versatile ESD control applications, especially suited for space limited environment such as automated process tool and manual assembly areas. Intrinsic self-balanced power supply technology removed calibration procedure to maintain low offset voltage. With LED display and output audio alarms, users can identify failure status or cleaning cycle time.

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Specifications

Input Voltage	24 VDC, RJ-45 terminal
Output Voltage	0 to ± 5 kV, No Calibration
Ion Emission	Steady-State DC Technology
Ion Balance	Less than ± 50 V
Output Control	Intrinsic Self-Balanced
Emitter Point	Tungsten 99.99%
Alarm	Visual & Audio alarm operates for power failures
Monitoring	RJ-45 Interface
Display	LED (Green & Red)
Operating Environment	Temperature: 15 - 35°C Humidity: 35 - 75% RH
Material	Enclosure & Filter: ABS plastic Bracket: Polycarbonate
Dimensions (mm)	95H x 39D x 300, 350, 400, 450 L
Warranty	1 year limited warranty
Certification	



- Easy Emitter Point Replacement
- Tungsten 99.99% Emitter Point

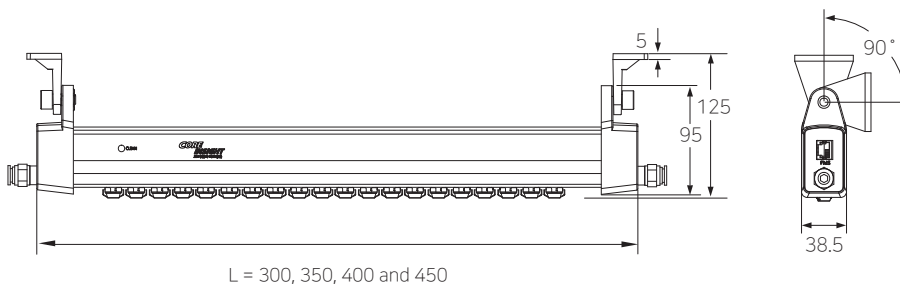
FMS Output Signal

Condition	FMS 3~4
Normal	Open
Alarm	Closed

Related Products & Ordering Information

Model 5720EP	Tungsten Emitter Point
Model 5170D	RJ-45 Terminal DC Adapter, 100 - 240 VAC 50/60Hz
Model 7300-xxxx	xxxx mm length of Model 7110

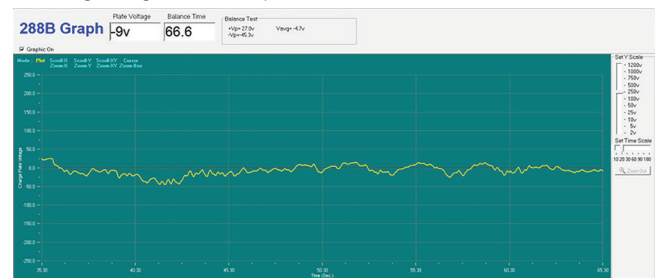
Size & Dimensions (mm)



Ion Balance Test Results

AC Switching Voltage can cause of ESD Damage by Induction

- ANSI/ESD STM3.1 & S20.20 - Offset Voltage means for DC based ionizer
- Offset Voltage measurement should be change to Peak Voltage
- Test Equipment - Model 288B CPM by Monroe Electronics
- No Swing Voltage from Steady-State DC Ionizer



- Swing Induction Voltage from Pulsed AC Ionizer
- Peak-to-Peak value: +305V to - 393V.

