CORE INSIGHT
코어인사이트(주)

Model 7300

CoreStat® Self-Balanced DC Bar Ionizer

FEATURES

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

BENEFITS

- No Calibration
- No Swing Voltage
- Less Maintenance

APPLICATIONS

Model 7300 CoreStat® Self-Balanced DC Bar Ionizer is designed to provide ionization in the ESD senstive handling areas such as semicon-ductor 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 CoreStat® Self-Balanced 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.

Model 7300 CoreStat® Self-Balanced DC Bar Ionizer

Specifications

Input Voltage	24 VDC, RJ-45 terminal
Output Voltage	0 to ±5kV, No Calibration
Ion Emission	Steady-State DC Technology
Ion Balance	Less than ± 50V
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℃ Humidity: 35 - 75% RH
Material	Enclosure: ABS plastic Bracket: Polycarbonate
Dimensions (mm)	95H x 39D x 300, 350, 400, 450 L
Warranty	1 year limited warranty
Certification	CE RoHS

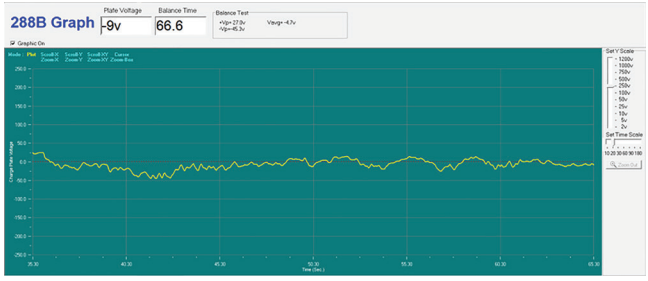
· Easy Emitter Point Replacement
· Tungsten 99.99% Emitter Point

Ion Balance Test Results

AC Switching Voltgae 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.

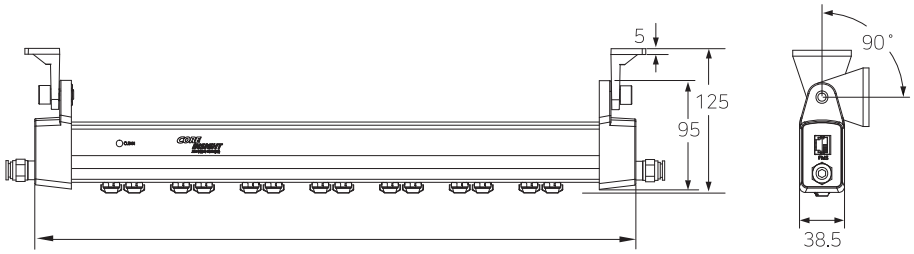
FMS Output Signal

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)



L = 300, 350, 400 and 450

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