

Self-Balanced Ionization System

Model 470 Gun Ionizer



Features

- CoreStat® Self-Balanced Technology
- Steady-State DC Ion Emission
- Low Balance
- Alarm for HV Power Fail

Benefits

- No Calibration Required
- Visual LED Alarm
- Audio Alarm
- Emitter Point Easy Clean and Replacement
- Versatile Applications

Applications

Tribocharging is a typical ESD source and induced field from insulators must be controlled in EPA (ESD Protected Area). Process required insulators are commonly used in many places and should be neutralized by ionization systems.

CoreStat® self-balanced technology, Model 470 Gun Ionizer has designed versatile applications for semiconductor back-end, printed circuit board assembly and general electronics. Model 470 Gun Ionizer doesn't require regular based calibration and intrinsically maintain low offset voltage within a spec. Visual LED and audio alarms indicate when HV power failures.

Model 470 Gun Ionizer

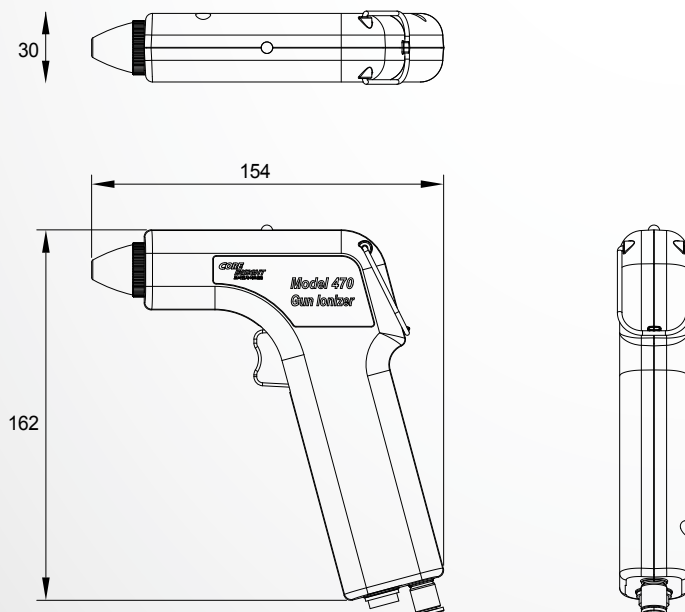
Specifications

| | |
|-----------------------|---|
| Input Voltage | 24V DC, 2 Watt Max. |
| Ion Emission | Steady-State DC Technology |
| Ion Balance | Less than $\pm 15V$ average, Less than 20V peak. |
| Discharge Time | Less than 1 sec at 15cm $\pm 1000V$ to $\pm 100V$ |
| Emitter Point | Tungsten 99.99% |
| Alarm Function | Visual LED, Audio Buzzer when HV Failure |
| Air Pressure | 0.1 ~ 0.5Mpa |
| Air Inlet | 6mm diameter |
| Material | Ionizer Body: ABS, Nozzle: Teflon |
| Operating Environment | Temperature: 15 ~ 35°C, Relative Humidity: 35 ~ 75% RH |
| Dimensions(WxHxD) | 154W x 162H x 30D mm |
| Weight | 215g |
| Warranty | 1 Year Limited |

CONNECTOR



Sizes & Dimensions(mm)



Model 470 detail



Model 470 Discharge Time

Air Pressure 3bar

+Decay time(sec)

-Decay time(sec)

