

AD-1683 STATIC ELIMINATOR

Applications Datasheet

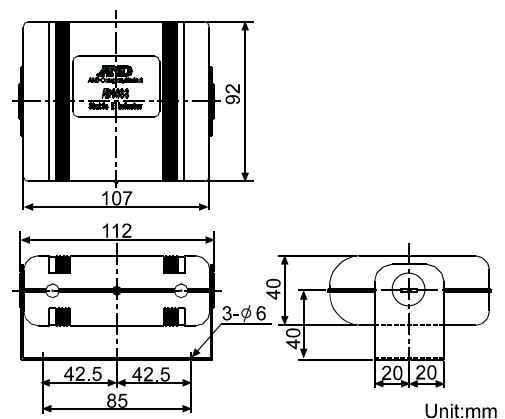
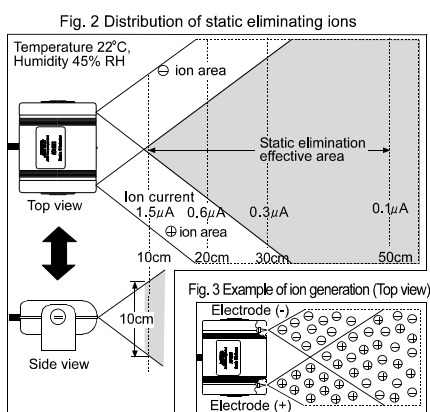
Features



- Can be easily and safely installed because they require no high-voltage wiring.
- Being of a DC type, this static eliminator has a remarkable ability for generating ions and can be used for elimination of static charges from quickly running or highly electrified workpieces.
- Little or no reverse charge is induced by irradiated ions because of its excellent ion polarity balance.
- Achieves static elimination with a high degree of efficiency regardless of the polarity or the potential of the charged object.
- Suited for static elimination in narrow and remote places because of its lengthy ion irradiation distance.
- Produces only a little amount of ozone thanks to its high ion generation efficiency.
- A current limiting circuit is incorporated in the ion generating electrode to reduce the possibility of electric shock
- Being of a DC type, this static eliminator, unlike PULSE-DC, involves no swing in surface potential of the charged object.

AD-1683

AD-1683 static eliminator, which incorporates a high-voltage power source, is a DC power-operated small-size device which can eliminate static electricity from charged objects without the need of an external high-voltage power source. Since this static eliminator is compact and lightweight with no fan (no breeze is produced) and requires no high-voltage wiring, it is very easy to handle. Being of a DC type, it has a remarkable ability for generating ions



Specifications

Static elimination method	DC corona discharge DUAL-DC
Static eliminating electrode	Tungsten emitter
Elimination Range	Distance: Approx 10cm - 30cm from Electrodes
Elimination Performance	When charged 5KV
Discharge Electrode Pin	Tungsten. Life: 10,000 hours

Distance	10cm	20cm	30cm	50cm
Elimination time	1 sec	4 sec	15 sec	70 sec

Environmental conditions	-5 to +40°C, 35% to 85%RH (non-condensing)
Power requirements	AC Adaptor 100-240 VAC, 50/60 Hz