

DISCHARGE ELECTRODE MODEL N-122

The Discharge Electrode is usually used as an accessory to an electrostatic generator such as the WINSKO Model N-100V. It consists of an acrylic rod assembled to a 100mm diameter aluminum sphere. Also included is a separate lead wire with a banana plug at one end and an alligator clip on the other end. In the mounting plug at the bottom of the dome there is a hole for inserting the banana plug. The alligator clip should be connected to the grounded binding post on top of the generator cabinet.

With the grounding wire properly in place, discharge arcs can be obtained by bringing the small dome to within about six inches of the Van de Graaff dome. Note that the frequency of the discharges increases as the distance between the two spheres is reduced. Try to hold the discharge electrode in such a way that it is the small sphere which is closest to the generator dome and not some part of the ground wire. If you should forget to connect the grounding wire, the shock must pass through you on its way to ground.

This unit may also be used to transfer charge to another accessory device such as the Model N-142 Hollow Cylinder. This is best done by bringing the generator up to full voltage and then turning the motor off. With the grounding wire removed, touch the small dome to the generator dome. You may then easily take the charge to another device.

Refer to the instructions for the Model N-100V Electrostatic Generator for the description of additional demonstrations.

