

DISCHARGE ELECTRODE MODEL N-122 / MODEL N-122-B

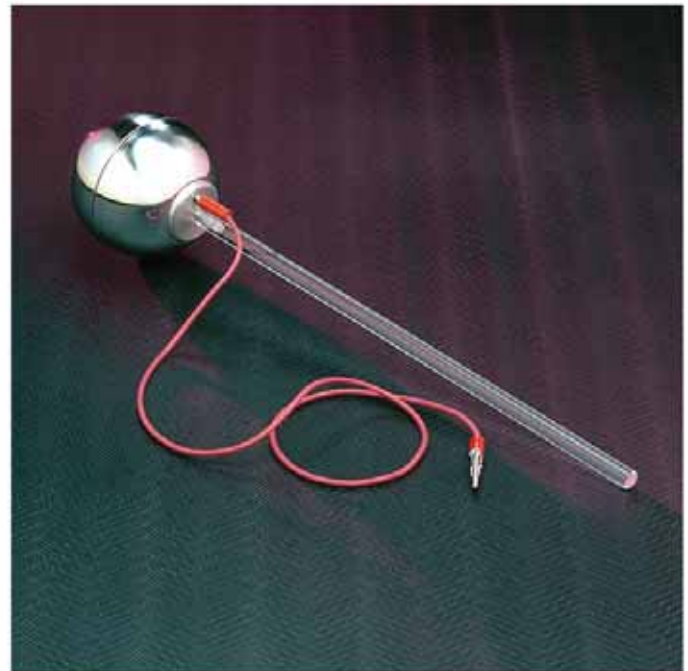
The hand-held Discharge Electrode, (Model N-122, shown at above right), is usually used as an accessory to a Van de Graaff electrostatic generator, such as the WINSKO Model N-100V. It consists of an acrylic rod assembled to a 100mm diameter aluminum sphere. Also included is a separate lead wire with a banana plug at one end and an alligator clip on the other end. In the mounting plug at the bottom of the Van de Graaff Generator 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 Van de Graaff Generator cabinet.

With the grounding wire properly in place, discharge arcs can be obtained by bringing the small dome of the Hand-Held Discharge Electrode to within approximately 6 inches of the Van de Graaff Generator dome. You should note that the frequency of the discharges increases as the distance between the two spheres is reduced. Hold the Discharge Electrode so that it is the small sphere which is closest to the Generator dome and not some part of the ground wire. *Please note: If you should accidentally forget to connect the grounding wire, the shock will pass through you on its way to ground.*

The Hand-Held Discharge Electrode may also be used to transfer charge to another accessory device such as the Hollow Cylinder (WINSKO Model 142). 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 of the Discharge Electrode to the Generator dome. You may then easily take the charge to another device.

The Discharge Electrode with Stand (Model N-122-B, shown at below right) is an option to the N-122 Hand-Held Discharge Electrode. It is a combination of an N-122 Discharge Electrode paired with a small metal-based stand that will position the smaller sphere at approximately the same height as the dome of the N-100V Van de Graaff Generator.

Please refer to our printed instructions included with the WINSKO N-100V Van de Graaff Electrostatic Generator for descriptions of additional demonstrations. Or, WINSKO now offers a DVD (catalog N-158) featuring video demonstrations and descriptions of our full line of N-100V Van de Graaff Generator accessories. This DVD, as well as the full line of all WINSKO products, may be purchased directly from WINSKO via phone or fax, or through our website at www.winsco.com.



WINSKO Model N-122 Discharge Electrode (Hand-Held)



WINSKO Model N-122-B Discharge Electrode (small, with stand)