

POINT TERMINAL MODEL N-127

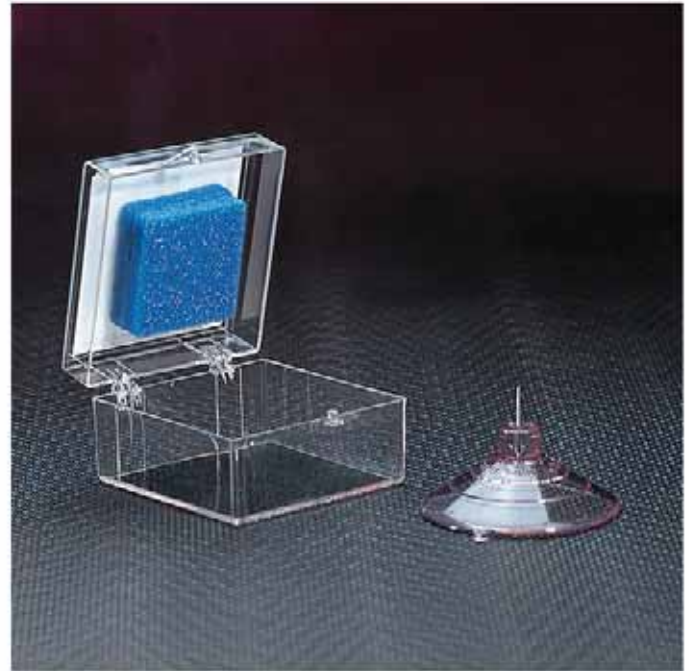
The N-127 Point Terminal is an accessory to be used as a discharge point from the dome of the WINSKO N-100V Van de Graaff Electrostatic Generator. It is used to study or demonstrate the effects of high voltage on the atmosphere when concentrated at a point.

Before attaching the Point Terminal, clean the Van de Graaff Generator dome of any dust using a soft cloth and any household dusting polish. Mount the Point Terminal on the upper half of the Generator dome, placing it just above the seam so that the point will be as nearly horizontal as possible. Do not try to mount the suction cup across the seam that separates the two halves of the dome. A small amount of moisture on the bottom of the suction cup will usually improve the adhesion and the length of time that it holds fast.

When the Generator is put into operation, you may hear a hissing noise in the vicinity of the Point Terminal. If you hold your hand a few inches away from the point, *not actually touching the point*, you will feel a breeze. The high voltage at the point is ionizing the nearby air which is then repulsed away from the dome, causing the breeze.

Hold a lighted candle a few inches away from the dome and not near the point, and you will see the flame drawn toward the dome. The combustion products are positive and therefore attracted to the negative dome. In the vicinity of the point, the candle flame will be both drawn toward the point and repulsed by the wind.

While the Point Terminal is in place, you should note that only very small discharges may be drawn from the dome, indicating that most of the energy is being dissipated through the point.



We offer two other types of accessory terminals that are used for the same purpose: the WINSKO N-126 Ring Terminal and the WINSKO N-128 Banana Jack Terminal. The Ring Terminal has a stainless steel ring to which a wire may be attached. The Banana Jack Terminal has a fitting designed to receive a banana plug.

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.