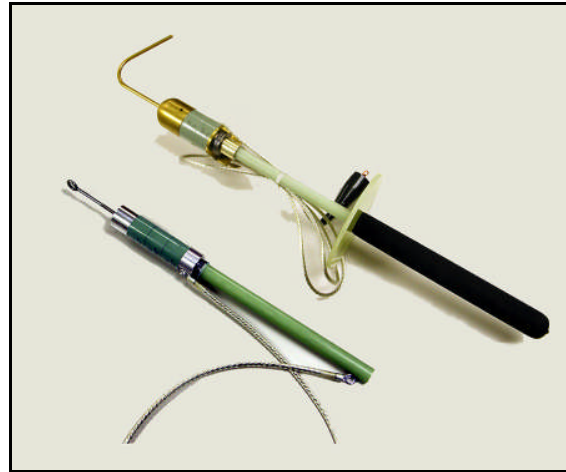
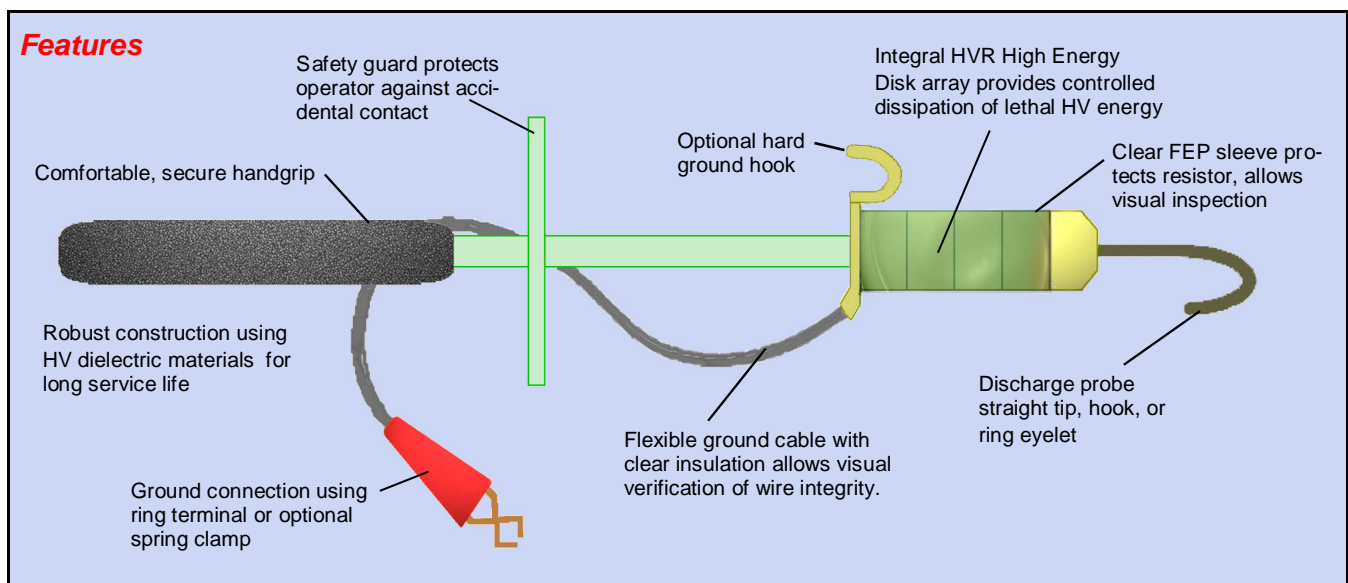


- ▶ **Non-Inductive**
- ▶ **Voltage to 100kV**
- ▶ **Surge Energy >100kJ**
- ▶ **Custom-configured**



Safety is never an after thought with high voltage and high energy storage equipment. With their integral array of HVR High Energy Disk resistors, our *HV Resistive Safety Groundsticks* offer a secure, reliable means to discharge potentially lethal energy from HV equipment. These Groundsticks are custom-configured to your application, with voltage ratings exceeding 100kV and energy dissipation exceeding 100kJ.

Our vast experience, pre-designed components and high energy resistor modeling software make it easy for you to specify a custom-engineered solution quickly and at a very attractive cost.



1. Determine your electrical requirements:

- Total stored energy in joules
- Peak voltage
- Discharge resistance, (based on max recommended current and max discharge time)

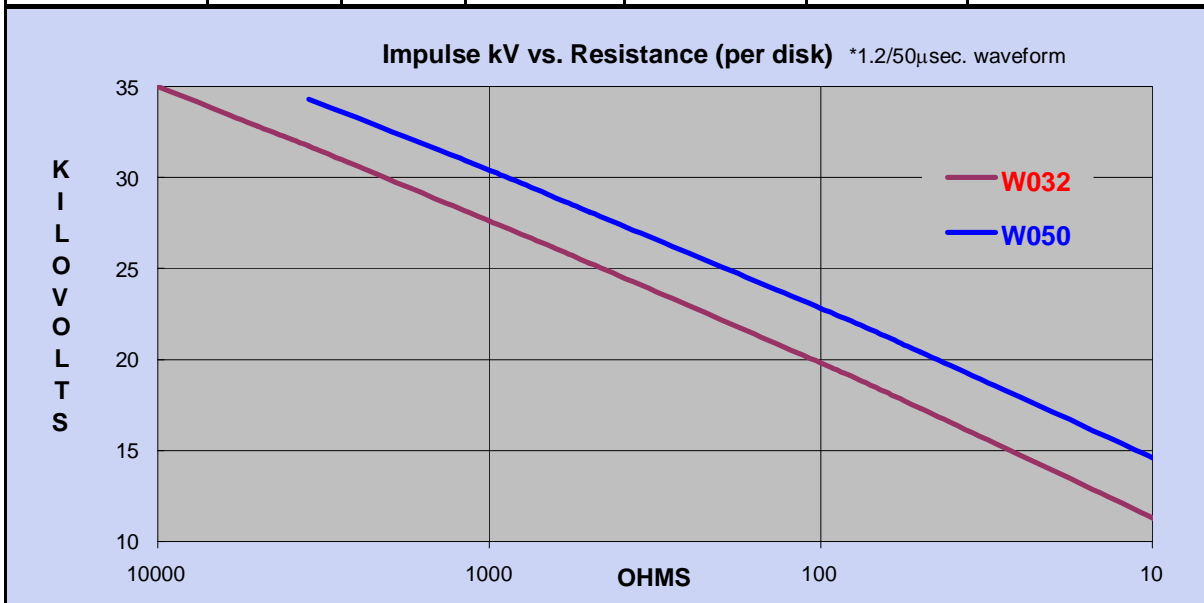
2. Design your custom resistor array using 32mm or 50mm HV disk:

- Energy capacity at least = Total stored energy + derating factor
- Resistance to limit current <20A peak recommended
- Peak voltage within limits based on resistance (from chart)
- Maintain manageable size, mass
- Verify proposed design using custom assembly thermal modeling on our website: <http://www.hvrapc.com> (start from High Energy Disk product page, click on the part number in the table)

3. Select mechanical options to meet your application:

- Probe style
- Safety guard
- Ground wire termination hardware
- Any other special requirements

Part Number	O.D. (mm)	I.D. (mm)	Length (mm)	Energy/ disk (Joules)	Mass/ disk (grams)	Resistance (Ohms)
W0328DXXXX	32	10	25.4	5000	40	2.0 – 10K
W0508CXXXX	50	19	25.4	12000	90	1.0 – 3.3K



Contact our applications engineering department for design assistance and pricing information. See additional information for *High Energy DiskResistors* and *Custom Resistor Assemblies* at our website.