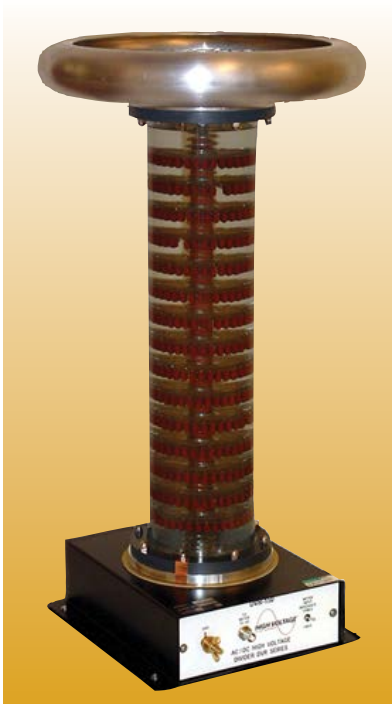


## DVR-150

### 0-150 kV AC/DC High Voltage Divider



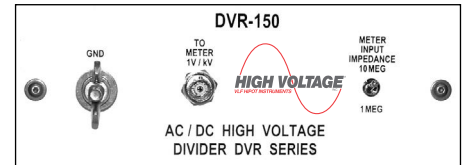
#### Description

The **DVR-150** is a precision resistor/capacitor high voltage divider that provides a low voltage output proportional to the applied high voltage. Its 1000:1 ratio extends the measurement capability of most digital voltmeters and oscilloscopes to 150,000 volts. The divider includes a switchable low end impedance to match various metering inputs.

The **DVR-150** lends itself to waveshape/harmonic analysis using a standard oscilloscope. This divider can be used to measure DC multiplier circuits or AC transformers limited only by the Digital Volt Meter (DVM) used as the metering device.

#### Features

- Can be used as a reference for in-house high voltage calibrations
- Designed to be used with most DMMs or oscilloscopes
- No external power sources required
- Switch selectable 10 Meg or 1 Meg low end impedance
- Light weight, transit sturdy assembly
- Less susceptible to effects of electric field proximity



Control Layout

#### Our Company and Our Products

High Voltage, Inc. manufactures the most advanced test equipment available for high voltage proof and preventive maintenance testing of electrical apparatus. All of our products are newly designed to meet the present day needs of utilities, industrials, and testing services. Our products offer features and specifications not found elsewhere. Our products include unique, sine-wave output **Very Low Frequency (VLF) AC Hipots, DC Insulation/HV Megohmmeter Test Sets, Aerial Lift Testers, AC Hipots, Cable Thumpers & Radars and AC Oil Dielectric Testers.**

#### Specifications

<b>Voltage Range</b>	1-150 kV DC or AC to 1kHz sinusoidal
<b>Output</b>	1 volt per 1kV applied (1000:1 ratio)
<b>Divider Accuracy</b>	±0.5%, -14 to 104°F, -10 to 40°C
<b>Input Resistance</b>	715 Meg Ohm
<b>Input Capacitance</b>	96.3 Pico Farads
<b>Cable Length</b>	25 ft. (7.6M) RG58/U coaxial cable
<b>Divider Termination</b>	13 inch (330mm) diameter spinning
<b>Dimensions and Weight</b>	13" w x 13" d x 14.5" h, 20 lbs. 330 mm w x 330 mm d x 622 mm h, 9 kg



# DVR-300

## 0-300 kV AC/DC High Voltage Divider



**Model DVR-300**

### Our Company and Our Products

High Voltage, Inc. manufactures the most advanced test equipment available for high voltage proof and preventive maintenance testing of electrical apparatus. All of our products are newly designed to meet the present day needs of utilities, industrials, and testing services. Our products offer features and specifications not found elsewhere. Our products include unique, sine-wave output **Very Low Frequency (VLF) AC Hipots, DC Insulation/HV Megohmmeter Test Sets, Aerial Lift Testers, AC Hipots, Cable Thumpers & Radars and AC Dielectric Oil Testers.**

### Description

The **DVR-300** is a precision resistor/capacitor high voltage divider that provides a low voltage output proportional to the applied high voltage. Its 10,000:1 ratio extends the measurement capability of most digital voltmeters and oscilloscopes to 300,000 volts. The divider includes a switchable low end impedance to match various metering inputs.

The **DVR-300** lends itself to waveshape/harmonic analysis using a standard oscilloscope. This divider can be used to measure DC multiplier circuits or AC transformers limited only by the Digital Volt Meter (DVM) used as the metering device.

### Features

- Can be used as a reference for in-house high voltage calibrations
- Designed to be used with most DMMs or oscilloscopes
- No external power sources required
- Switch selectable 10 Meg or 1 Meg low end impedance
- Light weight, transit sturdy assembly
- Less susceptible to effects of electric field proximity



Control Panel Layout

### Specifications

<b>Voltage Range</b>	1-300 kV DC or AC to 1kHz sinusoidal
<b>Output</b>	1 volt per 10kV applied (10,000:1 ratio)
<b>Divider Accuracy</b>	±0.5%, 10-40°C
<b>Input Resistance</b>	1430 Meg Ohm
<b>Input Capacitance</b>	49 Pico Farads
<b>Cable Length</b>	25 ft. (7.6M) RG58/U coaxial cable
<b>Divider Termination</b>	22 inch 559mm) diameter spinning
<b>Overall Size and Weight</b>	24" Diameter x 61" h, 85 lbs. 610 mm Diameter 1549 mm h, 39 kg



**HIGH VOLTAGE, INC.**

31 County Rt. 7A: Copake, NY 12516 • Voice (518) 329-3275 • Fax: (518) 329-3271  
E-Mail: sales@hvinc.com • Web: [www.hvinc.com](http://www.hvinc.com)

High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications. Also available are Very Low Frequency (VLF) high voltage AC test sets, oil dielectric test sets, AC and DC instrumented test sets, cable fault locators and other products.

Specifications, sizes, weights and features may vary slightly in the interest of continuous product improvement.