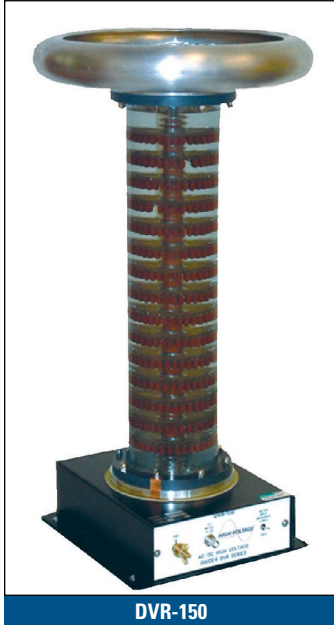


High Voltage AC/DC Precision Dividers

DVR-150 & DVR-300

0-150 kV & 0-300 kV AC & DC Voltage



DVR-150



DVR-300

Description

The **DVR-150** and the **DVR-300** are precision resistor/capacitor high voltage dividers that provide low voltage outputs proportional to the applied high voltage input. Their 1000:1 & 10,000:1 ratios, respectively, extend the measurement capability of most digital voltmeters and oscilloscopes to 150,000 volts or 300,000 volts. The divider includes a switchable low end impedance to match various metering inputs.

Both are suited for waveshape/harmonic analysis using a standard oscilloscope and can be used to measure DC multiplier circuits or AC transformers, limited only by the Digital Volt Meter (DVM) connected as the metering device. They are not designed for impulse or square wave applications.

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

Specifications

Voltage Range	1 - 150 kV or 1 - 300 kV DC or AC to 1 kHz sinusoidal
Output	DVR-150: 1.0 Volt per 1 kV applied DVR-300: 0.1 Volt per 1 kV applied
Accuracy & Temp Ratings	± 0.5%, 50° to 104°F, 10° to 40°C
Input Resistance	DVR-150: 715 MΩ DVR-300: 1430 MΩ
Input Capacitance	DVR-150: 96.3 pF, DVR-300: 49 pF
Cables Provided	25 ft. (7.6M) RG58/U coaxial & Ground lead
Divider Termination	DVR-150: 13" (330mm) diameter spinning DVR-300: 24" (559 mm) diameter spinning
Size & Weight	DVR-150: 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: 24" w x 24" d x 61" h, 85 lbs. 610 mm w x 610 mm d x 1550 mm h, 39 kg



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High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications.
Products include VLF AC hipots, fault locators/thumpers, AC and DC hipots, aerial lift testers, HV dividers, oil dielectric testers, and more.