



**HVI - The World's Source for
High Voltage Test Equipment**

Advanced test equipment for high voltage proof and preventive maintenance testing of electrical apparatus www.hvinc.com

Application: Calibration Dividers – High Voltage AC & DC

Application Description

Test equipment like that made by High Voltage, Inc, and most other equipment required to produce or measure and display high voltage, must be calibrated periodically to ensure the accuracy of the readings. Test equipment like that made by HVI is usually required to be calibrated every 12 months. Some applications require it more often. To perform the calibration, a high voltage divider, usually designed with many capacitor/resistor cells in series to divide the voltage down to near ground potential is used. These HV dividers are also used as a way to measure the voltage of a high voltage source, permitting the “low end” of the divider, or its output, to be connected to a meter of some sort to make the measurements. The calibration dividers themselves must be checked once a year to ensure their accuracy. This is normally done by some nationally recognized and certified metrology or calibration lab or an organization like the National Institute of Standards and Technology (NIST) for the United States.

HVI Product Solutions

High Voltage, Inc. produces two HV Dividers, both capable of reading AC and DC voltage. Both are supplied as dividers only; no measurement instrument is supplied. They are designed with output signals that can be connected to nearly all conventional multimeters. The brochures of both models show these specifications and others.

DVR-150 DVR Series
0 – 150 kV AC or DC



DVR-150 Transport case is optional.

DVR-300 DVR Series
0 – 300 kV AC or DC



No transport case is available for the DVR-300.



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