

## KV-R PRECISION HIGH VOLTAGE DIVIDERS

- *HIGH ACCURACY*
- *10K:1 AND 1K:1 RATIOS*
- *RUGGED & PORTABLE*
- *WITH INTEGRAL METER*



Ohm-Labs' -R series are transportable dc high voltage dividers. Ohm-Labs has added a new model to measure up to 30 kV dc and 20 kV ac rms.

The KV-R dividers use precision, wire wound resistors which are selected and matched to reduce the effects of changes in temperature and applied voltage. They may be operated continuously up to their full rated voltage without damage.

Two dc outputs are provided for precision measurement of dc high voltages.

Three standard models are available: the original design KV-5R and KV-10R, and the new model KV-30R.

The KV-30R has a 1000:1 ratio ac output, impedance matched to 1 megohm ac meters. The ac output is designed for measurement of line frequency (50/60 Hz) voltages. The rms ac input voltage rating is roughly 2/3 the dc rating.

The KV-30R has a ceramic high voltage terminal with a 10-32 threaded post and anti-corona ball on the rear panel. This rear panel connection improves operator safety. AC output is via a BNC connector.

All KV-R models have an impedance of 1000 ohms per volt.

Leakage and corona effects have been minimized by careful internal design and layout.

All dividers are supplied with an ISO 17025 accredited, traceable report of calibration up to full rated voltage.

Special ratios or case styles can be supplied upon request.

### Condensed Specifications

Model	KV-5R	KV-10R	KV-30R
Input	0-5 kV dc	0-10 kV dc	0-30 kV dc 0-20 kV ac rms
Ratio 1	500:1	1,000:1	1,000:1
Ratio 2	5,000:1	10,000:1	10,000:1
AC Ratio	(not available)		1,000:1
Accuracy	<0.01 % dc (all models) <0.25 % ac (KV-30R only)		
Meter	5-0-5 kV	10-0-10 kV	0-30 ac/dc kV
Size	8" x 8" x 8"		10"x8"x14"
Weight	6 lbs		9 lbs
Use	10-40 °C, 10-60 %RH		
Storage	-50+60 °C, 0-95 %RH		
Impedance	5 Meg	10 Meg	30 Meg
ISO17025 accredited calibration included Warranty: 2 years			

Ohm-Labs provides calibration and repair service to high voltage dividers. For additional information, please visit our website at [www.ohm-labs.com](http://www.ohm-labs.com).

