

KV-A PRECISION HIGH VOLTAGE DIVIDERS

- *HIGH ACCURACY DC & AC*
- *10K:1 AND 1K:1 RATIOS*
- *RUGGED & PORTABLE*
- *ACCREDITED CALIBRATION INCLUDED. DC & AC*



Ohm-Labs' KV-A portable precision high voltage dividers measure up to 30 kV dc and 20 kV ac (50/60 Hz rms).

The KV-A dividers are designed to minimize changes from temperature and applied voltage. They may be operated continuously up to full rated voltage without damage.

The KV-10A and KV-30A have two dc ratio outputs: 1,000:1 and 10,000:1. They have a single ac ratio output: 1,000:1.

DC outputs feature an impedance matching switch for use with voltmeters with an input impedance of 10 megohm or >10 gigaohm.

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 ac output is matched for ac meters with an input impedance of 1 megohm.

Binding post outputs are gold plated tellurium copper to minimize thermal emf errors.

The KV-10A and KV-30A have 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.

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.

Ohm-Labs provides commercial calibration service to high voltage instruments.

For additional information, please visit our website at www.ohm-labs.com.

Condensed Specifications

Model	KV-10A	KV-30A
DC Input	0-10 kV dc	0-30 kV dc
DC Ratio 1	1,000 : 1	1,000:1
DC Ratio 2	10,000 : 1	10,000:1
AC Input	0-7 kV ac	0-20 kV ac
AC Ratio	1,000 : 1	1,000 : 1
Impedance	20 megohms 2000 Ω/V	50 megohms 1667 Ω/V
Accuracy	<0.01 % dc, <0.1 % ac 60 Hz	
Physical	25x20x35 cm (10x8x14 in)	6 kg (12 lbs)
Use	15-30 °C, 10-60 %RH	
Storage	-30+60 °C, 0-95 %RH	
ISO17025 accredited calibration included Warranty: 2 years		

