

KVM Series

AC/DC Kilovoltmeters - 100kV, 200kV, & 300kV

■ The KVM Series AC/DC Kilovoltmeters are highly accurate and portable voltage measurement and calibration systems. Each model in this series contains a high voltage divider assembly, control and measurement device, durable carrying case, and interconnection cable. The carrying case and battery operation mode make the system completely portable for field testing, while the precision divider assembly and readout device make it suitable for laboratory use. The KVM Series products perform multiple functions including DC, Ripple, AC Peak and AC Absolute Average measurements. Units are available in 100kV, 200kV, and 300kV for a wide variety of applications.



FEATURES

- ☑ **Perform multiple measurements**
- ☑ **Low temperature and voltage coefficients**
- ☑ **Digital readout**
- ☑ **AC and DC coupling**
- ☑ **Battery** or line power operation
- ☑ **Light weight** and **portable** divider
- ☑ **Rugged** and reinforced carrying case
- ☑ **True divider**

BENEFITS

Suitable for field, factory or lab use.

Simple to use with oscilloscopes and other measuring devices.

Fast and accurate measurements under varying ambient conditions.

NIST traceable for significant cost savings on outside calibrations.

APPLICATIONS

Testing & Calibrating of:

- AC/DC Hipot testers
- High Voltage DC power supplies
- Semiconductor implantation systems

TECHNICAL SPECIFICATIONS

Model Number		KVM100-*	KVM200-*	KVM300-*
Voltage	High Range	0-100 kV	0-199 kV	0-300 kV
	Low Range	0-10.0 kV	0-19.9 kV	0-30 kV
Display		Digital, 3 1/2 Digits, 1/2" LED, Auto Polarity		
Input Impedance		1 MΩ		
Battery	Type	4, NiCd Cells, Size D		
	Operation	8hrs of operation, 16hrs for recharge		
Accuracy	DC	< 0.5% of full scale (from 10-100% of scale)		
	AC (RMS)	< 1.0% of full scale (from 10-100% of scale)		
	AC (Peak)	< 2.0% of full scale (from 10-100% of scale)		
Nominal Voltage Ratio (V _{OUT} /V _{IN})		1000:1	2000:1	3000:1
Voltage Rating	DC	100 kV	200 kV	300 kV
	AC (RMS)	100 kV	200 kV	300 kV
	AC (Peak)	142 kV	283 kV	425 kV
Capacitance of HV Capacitor		200pF		
Input Voltage & Frequency		* In the model number, designate 'A' for 120V/60Hz input or 'B' for 230V/50Hz input		
Dimensions (W x H x D)		11in x11in x25in (28cm x28cm x62cm)	11in x11in x45in (28cm x28cm 116cm)	24in x84in x6in (30cm x213.6cm x15cm)
Weight		35 lbs (15.9 kg)	45 lbs (20.4 kg)	270 lbs (122.7 kg)

OPTIONAL EQUIPMENT & ACCESSORIES

Part Number	Description	Input Voltage
HHDA13-280	Grounding Stick, 120kV Max Voltage	N/A
KVM100-DO-*	Extra Divider Section	* In the model number, designate 'A' for 120V input or 'B' for 230V input
KVM200-DO-*	Extra Divider Section	
KVM300-DO-*	Extra Divider Section	
SPK1-(Model Number)	Spare Parts Kit for KVM Series	N/A
EXT-WARN-1	One year extended warranty	N/A



HHDA13-280
Grounding Stick
(pictured above)