KVM Series

AC/DC Kilovoltmeters - 100kV, 200kV, 300kV & 400kV

■ 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, 300kV and 400kV 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-*	KVM400-*
Voltage	High Range	0-100 kV	0-199 kV	0-300 kV	0-400 kV
	Low Range	0-10.0 kV	0-19.9 kV	0-30 kV	0-40.0 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	4000:1
Voltage Rating	DC	100 kV	200 kV	300 kV	400 kV
	AC (RMS)	100 kV	200 kV	300 kV	400 kV
	AC (Peak)	142 kV	283 kV	425 kV	566 kV
Divider Section	Total Height	15”	38”	84”	115”
	Total Weight	12 lbs	28 lbs	265 lbs	285 lbs
	Top Electrode Diameter	2” x 8”	3” x 8”	8 ½ x 34”	6” x 41”
Input Voltage & Frequency		* In the model number, designate 'A' for **120V/60Hz** input or 'B' for **230V/50Hz** input			

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	
KVM400-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)

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HAEFELY HIPOTRONICS has a policy of continuous product improvement. We therefore reserve the right to change design and specification without notice.