



AC/DC KILOVOLTMETERS

General Applications and Features

- Precision accuracy and lasting reliability.
- Portable, rugged units for field or laboratory testing.
- Units include a high voltage divider, metering section and interconnect cables which fasten into a compact, durable case.
- Battery powered or with standard line voltages.
- Traceable to NIST standards, units can be used for calibrations, voltage monitoring of high voltage systems and DC power supplies.
- Voltage divider can also be used with other measuring devices such as an oscilloscope.
- 100kV and 200kV models available to satisfy a wide range of testing applications. Higher voltages available upon request.
- Battery powered units can be CE marked.

Models KVM 100 and 200 with cases



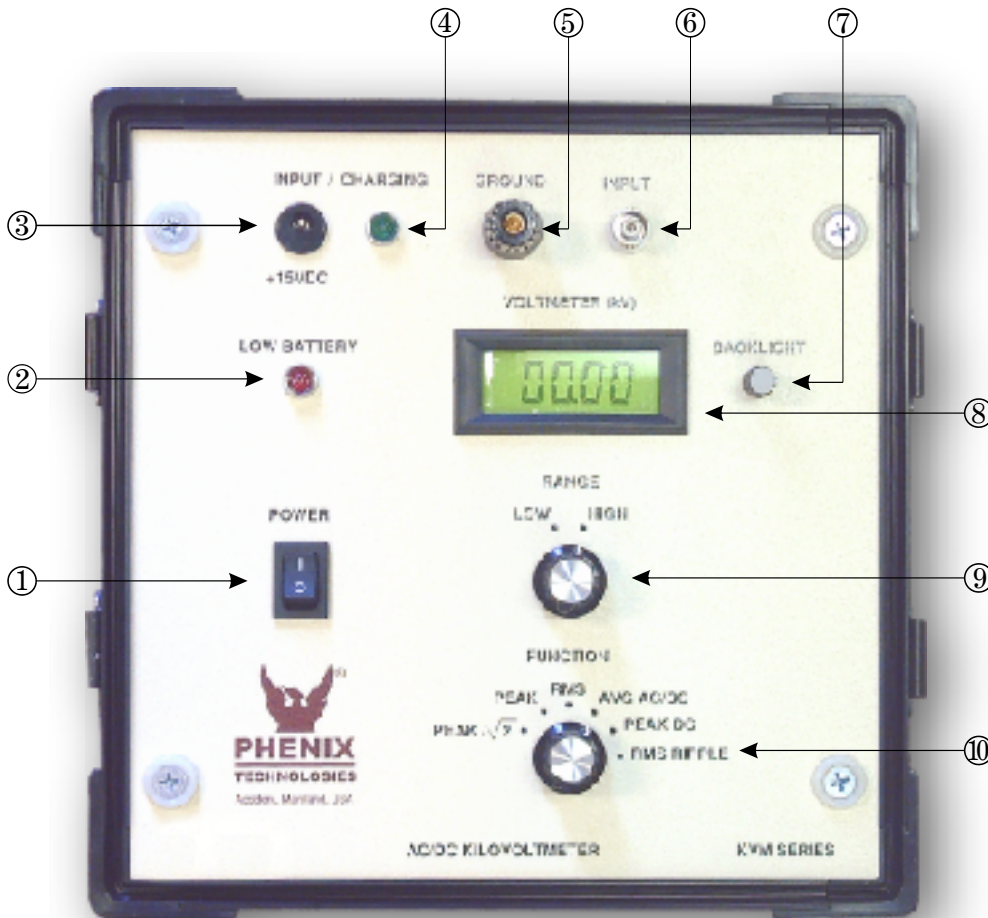
Specifications*

Input Power:	100-240 VAC, 2 amp, 47-63 Hz, 1 Phase
Metering:	4½ digit LCD display with adjustable backlight
Functions:	
Peak $\div \sqrt{2}$	▶ Peak responding
Peak	▶ Peak value of voltage
RMS	▶ True RMS value
Average AC/DC	▶ True average value, .637 of peak value for pure sine wave signal (not calibrated to RMS equivalent)
Peak DC	▶ Peak value of DC including peak of ripple
RMS Ripple	▶ RMS value of ripple voltage on DC.
Accuracy:	
10-100% of Range	—1% of reading +/- 3 counts
1-10% of Range	—2% of reading +/- 5 counts
Frequency Response:	
Peak $\div \sqrt{2}$, Peak:	DC, 5-1000 Hz
RMS, RMS Ripple:	20-1000 Hz
Average:	DC, 20-1000 Hz

	KVM 100	KVM 200
Resolution:		
1 Volt Resolution	0-10kV Range	0-20kV Range
10 Volt Resolution	0-100kV Range	0-200kV Range
Range:		
	0-10kV AC/DC	0-20kV AC/DC
	0-100kV AC/DC	0-200kV AC/DC
	0-142kV Peak (AC)	0-200kV Peak(AC)
Divider Impedance:		
Resistance:	380 MOhms	760 MOhms
Capacitance:	200 pF	100 pF
Divider Ratio	10,000:1	10,000:1
Weights and Dimensions:		
KVM 100	30.5" H x 9.5" W x 9.5" D (775mm x 241mm x 241 mm)	Weight: 30 lbs. (14 kg)
KVM 200	43.5" H x 9.5" W x 9.5" D (1105mm x 241mm x 241 mm)	Weight: 43 lbs. (20 kg)

*Based on our commitment to continual research and development PHENIX Technologies reserves the right to update product specification without notice!

Control Panel



- 1 Meter Power Switch
- 2 Low Battery Lamp
- 3 External Input/Charging Jack
- 4 External Input/Charging Lamp
- 5 Ground Terminal
- 6 Divider Input Terminal
- 7 Backlight Intensity Control
- 8 4½ digit Backlit LCD display
- 9 Range Switch
- 10 Voltage Measurement Selection Switch

The PHENIX Technologies Product Line

- High Voltage AC Dielectric Test Sets
- Resonant Test Sets
- Variable Frequency Resonant Test Sets
- DC Hipots and Insulation Test Sets
- Automatic Insulating Material Testers (D149)
- Microhmmeters
- Liquid Dielectric Test Sets
- Megohmmeters
- AC/DC Kilovoltmeters
- Partial Discharge Detector
- Vacuum/Oil Interrupter Testers
- Bucket Truck Testers
- High-Frequency Cable Aging Test Sets
- Heat Cycling Test Sets
- Rubber Goods-Protective Equipment Testers
- Core Loss Testers
- AC, DC and AC/DC Motor Test Sets
- Water Brake Dynamometers
- Transformer Test Sets
- Frequency Response Analyzer
- High Current/ Circuit Breaker Test Sets
- Recloser Test Sets
- DC Power Supplies
- High Voltage DC Cable Thumpers
- High Voltage Terminations
- High Power Column-Type Variable Transformers
- High Power Thoma-Type Variable Transformers
- Voltage and Current Stabilizers
- Impulse Generators/Standard Capacitors/ Coupling Capacitors

Please visit www.phenixtech.com for other products offered by PHENIX TECHNOLOGIES!

Your local representative is



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