

HIGH VOLTAGE MEASUREMENT DEVICES

HV MEGMETER® Hipot to 50KV

HV Insulation Leakage Current & HV Resistance Measurement Meter. Vacuum Switch Tester. Portable, 12V battery or 115V AC operated. 0-15KV DC 0.001uA to 260uA or to 1000uA. 0-42KV DC 0.001uA to 130uA or to 500uA. 0-50KV RMS 60Hz to 10mA, 115V/230V AC operated.

FOR TESTING VACUUM INTERRUPTERS, HV CABLES & HV INSULATION

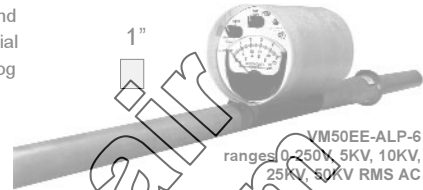
VMT-15, 0-15KV DC
 VMT-42, 0-42KV DC
 ACC401, 0-50KV RMS AC



Hi-Z® HV VOLTMETERS SAFE POWER LINE USE AC / DC TO 100KV

For phasing, capacitance tap or direct line measurement and hot line indication. Power class safe, portable all solid state, 0.5% to 5% accuracy. Shielded high voltage measurement with minimum circuit loading. 0.001V to 100KV AC or AC/DC. 125KV to 300KV BIL. Ideal for use with Elbow capacitance tap voltage test points. For cable test points and direct line voltage and phasing, or differential measurement. Analog or Digital available.

FOR UTILITIES, CONTRACTORS & EMERGENCY SERVICES



VM50EE-ALP-6
 ranges 0-250V, 5KV, 10KV, 25KV, 50KV RMS AC

WIDEBAND HV VOLTAGE DIVIDERS DC-10 MHz 1KV to 1000KV

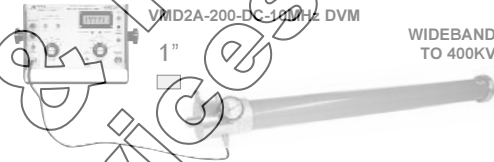
Precision compensated resistive-capacitive voltage dividers for DC up to 10MHz or to 0.02 microsecond rise time pulse. 1000/1 ratio matched to 1 megohm 20 to 50pF display or recorder. Other ratios and loads as required. Accuracy and stability: 0.01% to 0.1% DC, 0.2% to 1% AC, 3% DC-1MHz, 3DB 10MHz. For use in air, oil, or gas. Contact Ross Eng. Corporation for complete accuracy specifications.

VD60-6.2-A-LB-A, 60KV PK OPERATE



HV PROBES & VOLTMETERS FOR OSCILLOSCOPES, DVMS, RECORDERS

HV DC, AC, & Wideband DC-10MHz. Safety probes for any scope, digital display or recorder. Also available complete with large 4 1/2 digit display 0.1% to 5% DC/AC accuracy digital voltmeter, with safety handles for OSHA recommended personnel clearances. With attached or separate digital display or multimeter 0.00001V to 400KV.



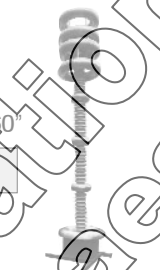
VMD2A-200-DC-10MHz DVM

WIDEBAND HV PROBE TO 400KV DC-1MHz

WEATHERPROOF

WIDEBAND HIGH VOLTAGE DIVIDERS
 High accuracy 5KV RMS to 345KV RMS power class. 30KV PK to 1000KV PK operate. 60KV to 1350KV basic impulse level. DC to over 1MHz frequency response. For DC, AC power quality, line disturbance & transient measurement and recording.

VD1000-20-T-KB-B
 1,000,000V DC OR PK AC OPERATE



HV DIGITAL MULTIMETERS

Wideband DC-10MHz. VMD2A 4 1/2 digit portable meter has accuracies to 0.01% DC, 0.1% 50/60Hz, 3% to 1MHz -3dB 10MHz. true RMS, Avg, True +PK, -PK, PK to PK. 0.2 microsecond, 1/2 sine single pulse capture & hold. 0.00001V - 1000V DC or PK AC and for use with HV Probes to 400KV and Voltage Dividers to 1,000,000V. Has 2V output to scope, recorder.

VD60-6.2-A-LB-A,
 60KV PK OPERATE
 VOLTAGE DIVIDER

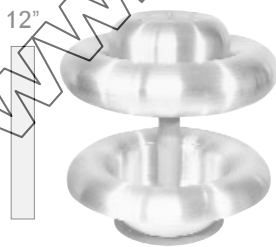


VMD2A MULTIMETER

HIGH ACCURACY HV SHIELDED VOLTAGE DIVIDER 0.01% DC, 0.2% - 3% AC

Special high accuracy shielded, compensated resistive-capacitance voltage dividers up to 1000KV wideband DC to 10MHz. Matched to 1 megohm, 50pF or other load. Used for measurement of AC and DC, high frequency, line transients, and differential pulse voltages.

VD-150-10-CBD-KC-AL
 150KV PK OPERATE



WIDEBAND FIBER OPTIC TRANSMISSION DC-1MHz & 50-75 OHM COAXIAL CABLE DRIVER DC-35MHz

AC or 12V DC rechargeable battery/AC operated. Systems have a maximum output of 10V PK (20V PK to PK) 10mA and a maximum signal input of 10V PK. Useful from 0.1V, and to over 1000KV when used with Ross HV wideband dividers. Single or multiple ranges.

FIBER OPTIC TRANSMITTER AND RECEIVER



DC - 1MHz
 1000MΩ 30pF INPUT IMPEDANCE

COAXIAL CABLE DRIVER



DC - 35MHz
 1MΩ 30pF INPUT IMPEDANCE

TOROIDS

Aluminum
 0.75" to 52" Dia

SPHERES

Aluminum Copper
 Stainless
 0.2" to 20" Dia

CORONA NUTS

Solid Carbon
 0.25" to 12" Dia

Aluminum
 0.25" to 2" Dia

HIGH VOLTAGE CALIBRATION

- To ±0.1% DC, To ±0.2% 60Hz.
- To ±3% to 10MHz.
- To 400KV DC, 450KV PK 60Hz.
- To 240V 25Hz to 10KHz.
- With Certification.



See our additional HV products in *Volume 1, Relays – Sect. 4500,*
 and *Volume 2, Control System & Components – Sect. 2200*

ROSS ENGINEERING CORPORATION

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