



ROSS ENGINEERING CORPORATION

WORKSHEET H.V. DIVIDERS, PROBES / METERS

Name:	Company:	Date:
Please fill in as much as possible so Ross Engineering Corp. can recommend the best device for the application!		
Calibration:	Standard Calibration to NIST ANSI Z540-1-1994, Accredited C	alibration to ISO/IEC 17025.
What is the actual working voltage range? DC kV to kV. AC RMS kV to kV. AC Peak kV. to kV. Pulse, peak kV to kV. to kV. peak kV to kV. Pulse, peak to peak kV to kV.		
What is the desire	d ratio? 1000/1 10,000/ 1 Other? Note: Multiple ratios and 1	multiple matching are also available.
What is the desired HV input resistance and capacitance? Megohms Picofarads. Note: Certain resistance & capacitance may be best for optimum performance.		
Desired features – If for Utility Powe single phase . Basic Impulse Lev	check all that apply:	atched dividers). ory use. ent. upplied continuously. pplied short time is or single pulse?). etitive short pulses). n one instrument. it Model #'s) WYE or Delta. IL, Switching Transient Level)
What is the required maximum frequency response to –3dB? MHz, kHz, Hz, or rise time? μSEC, pulse width μSEC, duty cycle PPS or%.		
What are the required accuracies? ± % DC, ± % Hz, ± % MHz. Available are: ±0.1% DC or ±.01% DC and ±0.2% ±.5% or ±1% 50-60Hz and ±3% to 10% DC-1MHz to 10MHz. Certified Correction chart for 10% or 20% steps included. Steps at particular voltages available kV.		
At what frequency μSEC rise tin	y or rise time is best accuracy desired? Primarily DC, 50/60Hz, ne. At what voltage(s) kV PK.	kHz,MHz.
What is the instrumentation type and load impedance, (resistance and capacitance) that the divider or probe must match? Oscilloscope,DVM,othermegohms,picofarads.		
What is (RG59 U-9259) coaxial output cable length required: 15' is standard, (2', 3', 6', 20', 30' are available)Ft. For max frequency response cable should be as short as possible. Additional cable drivers or isolating fiber optic transmitters are available for longer distances to instrumentation.		
What is output end of output cable connector required? BNC, Banana, other. Max. allowable dimension: height inches, diameter inches Base, HV Top. Proximity of nearest large conductive objects or walls: Ft. Important for AC accuracy.		
Power source volta Environment: For Ambient temperat Insulated handle (age for meter or charger if required VDC, VAC 50/60Hz, 400H ' use in air, oil, SF6. To Ft. max altitude Indoor, ture range during operation °C to °C. hotstick) length desired, Ft. Single Length, Collapsible to	Hz. _ Outdoor. 18", to 12".
Actual Application Other requiremen	n: (Describe system VD is used on)	

