HIGH POWER ELECTRONICS
HIGH VOLTAGE DEVICES
DC, 60Hz, RF, PULSE
MEASUREMENT
DISPLAY

ISO 9001:2008
QMS CERTIFIED

ACCREDITED
ISO/IEC 17025:2005
CALIBRATION CERT #2746.01

VACUUM CIRCUIT BREAKERS
SWITCHING, RELAYING
CONTROL, SAFETY
DEVELOPMENT
TESTING

ROSS ENGINEERING CORPORATION

WORKSHEET FIBER OPTIC TRANSMISSION SYSTEMS

Name:_____ **Company:**_____ **Date:**_____

Please fill in as much as possible so Ross Engineering Corp. can recommend the best device for the application!

If less than ±1000V PK what is the normal input operating voltage required_____V DC._____VAC RMS._____V AC PK.

If greater than ±1000V PK a separate high voltage divider is required:

What is the maximum operating high voltage required?_____kV DC._____kV AC RMS_____kV PK pulse.

Are multiple voltage ranges required?_____ What ranges?_____, _____, _____, _____.

Maximum frequency_____Hz, or rise time?_____Volts / μSEC. _____μSec to full scale.

Required accuracy? DC_____%. Low frequency AC from_____Hz to_____Hz, Accuracy_____%.

High frequency AC from_____Hz to_____MHz; Accuracy_____%.

Length of coaxial cable from H.V. Voltage Divider to Fiber Optic Transmitter _____Ft. _____Meters.

Length of Fiber Optic cable required from Transmitter to Receiver _____Ft. _____Meters.

Will Fiber Optic cable be installed in cable tray?_____ in conduit?_____. Heavy duty jacket required? _____.

Power source for Transmitter? 12V Battery with charger_____. AC only_____. AC voltage available_____V AC._____Hz.

Power source for Receiver? Battery with charger_____. AC only_____. AC voltage available_____V AC._____Hz.

Operating time before battery requires recharge_____Hours.

What is the instrumentation load impedance: resistance and capacitance and type:

(Oscilloscope, DVM, etc)?_____ Ohms, _____Picofarad, _____type.

Length of coaxial output cable from receiver to instrumentation_____Ft. _____Meters. _____50Ω. _____75Ω.

Ambient temperature range_____°C to_____°C. Indoor_____, Outdoor_____.

Total number of channels required?_____. 19" rack mount required?_____. 24" Rack mount required?_____

Mounting if multiple channels: Transmitter- Number of individual channels per_____inch rack width_____channels.

Receiver- Number of individual channels_____per_____inch rack width_____channels.

Is optional remote on/off control for transmitter required?_____. (Through separate fiber optic cable).

Other requirements: _____

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