DCV - 0 to 40 KV, ACV - 0 to 28 KV rms

HIGH VOLTAGE PROBE

Model : HV-40 *ISO-9001, CE, IEC1010*

Lutron

LUTRON ELECTRONIC

The Art of Measurement

HIGH VOLTAGE PROBE

Model : HV-40

SPECIFICATIONS		
Attenuate Ratio	1 : 1000.	
Input Impedance	Approx. 1000 M ohm.	
Output	Around 1.1 M ohm. The input impedance of external voltmeter	
Impedance	should be 10 mega ohm.	
Safety	Meet CAT II 40000 V	
Max. Working Voltage	DCV	DC 40 KV
	ACV	Peak AC 40 KV or 28 KV rms (depend which values is larger).
Accuracy	DCV	1 KV to 20 KV - ± 1 %. 20 KV to 40 KV - ± 1.5 %.
	ACV	1 to 28 KV rms, 50/60 Hz - ± 5 %.
Temp Coefficient	Less than 200 ppm/蚓.	
Operating Temperature	0 to 50 ℃ (32 to 122 ℉).	
Operating Humidity	Less than 80% RH.	
Cable Length	1 meter.	

OPERATION

Connect the plugs to the volts (Hi) & com (Lo) input terminals of your voltmeter (or Multimeter). Select the desired range of voltmeter (Attention : Do not use auto ranging). Whenever possible, turn the high voltage source off before making any connections. Connect the HV probe common lead (alligator clip) to a good earth ground or reliable chassis ground.

SAFETY PRECAUTION & WARNING !!!

* This high voltage probe must be used by the person who are trained only. Do not work alone when working with high voltage circuits & environment.
* For your own safety, inspect the probes for cracks & frayed or broken leads before each use. If any defects are noted, do not use the probes.
* Hands, shoes, floor & work bench must be dry. Avoid making measurements under humid, damp or other environmental conditions that might affect the safety of measurement situation.
* The ground connection must always be made before the probe tip comes into contact with the high voltage & must not be removed until after the probe tip has been removed from high voltage source.
* Do not attempt to take measurement from sources where the chassis or return lead is not ground.
* If possible, always turn the high voltage source off before connecting or disconnecting the probe.
* Before turning the high voltage on, make sure that no part of your body is in contact with the device under test.
* The probe body should be kept clean & free of any conductive contamination. Clean only the exterior probe body & cables. Use a soft cotton cloth lightly moistened with a mild solution of detergent & water. Do not allow any portion of the probe to be submerged at any time.

