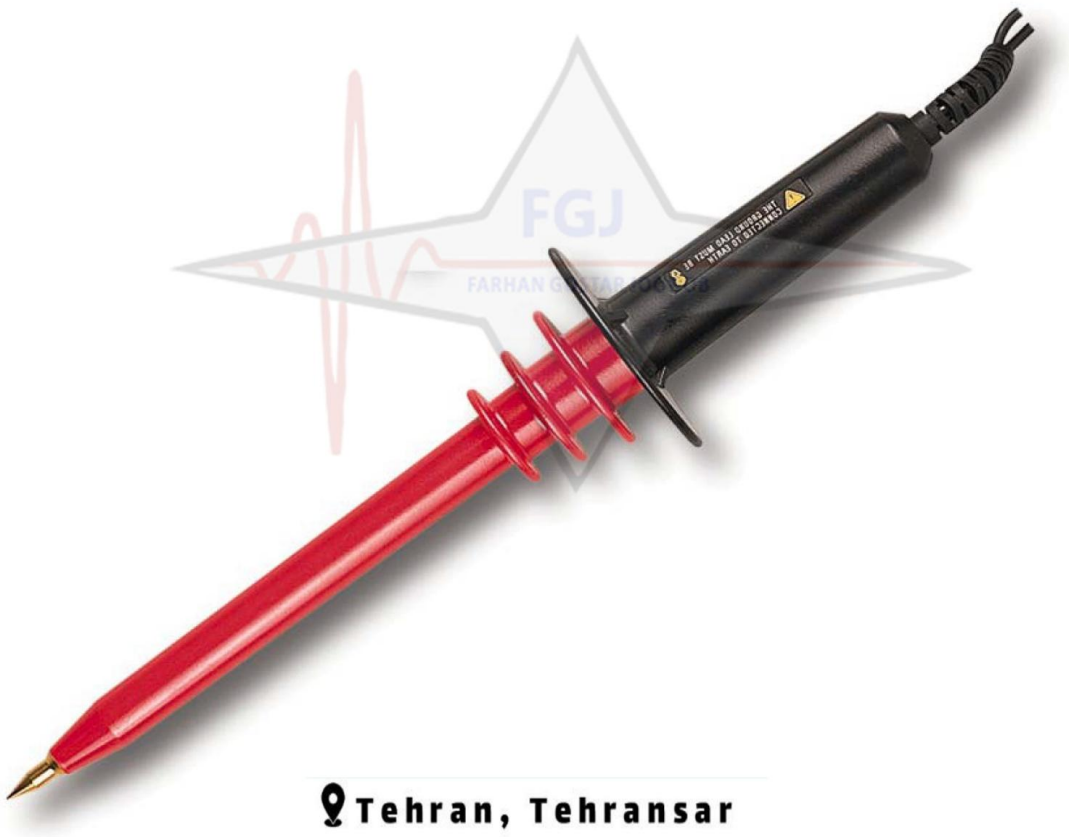
DCV - 0 to 40 KV, ACV - 0 to 28 KV rms

HIGH VOLTAGE PROBE

Model : HV-40

ISO-9001, CE, IEC1010



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Lutron

The Art of Measurement

LUTRON ELECTRONIC

HIGH VOLTAGE PROBE

Model : HV-40 پترو فرهان گستر جنوب

SPECIFICATIONS		
Attenuate Ratio	1 : 1000.	
Input Impedance	Approx. 1000 M ohm.	
Output Impedance	Around 1.1 M ohm. The input impedance of external voltmeter should be 10 mega ohm.	
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.	

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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.