

KPM DC Hipot Test Set

KPM Portable DC Hipot Test Set consists of a control unit & a double rectifier unit. The KPM- DC series of HIPOTs is light weight, portable & easy to use. These units are user friendly & its output is stable at even high voltages

DC vs AC High-potential Testing

Direct current high-potential testing provides several advantages over alternating current. Direct current test equipment uses far less power, provides fast charging of highly capacitive test samples, can be easily transported to the test site and costs less. Additionally, the dc test can detect incipient breakdown without the possibility of damage to good insulation.

Dielectric test sets measure leakage current while applying a dc voltage at or above the insulation system's operating level. This measurement aids in determining the insulation system's ability to withstand over voltages such as lightning strikes and switching surges.

Features

1. High accuracy and reliability: high frequency voltage is boosted by multi-double rectifier. The voltage value is stable and high accuracy. The voltage booster circuit is simple which make the tester is high reliable.
2. Small size and light weight: one person can carry the largest DC HV generator (less than 200kV/2mA). That makes the application of the tester simple and easy.
3. Perfect seal by metal housing make the high voltage booster has strong mechanical performance and high insulation ability.
4. High voltage circuit is protected by metal shell which is connected to earth. That makes the application of the tester is safety enough.
5. Protection circuit avoid the wrong operation of tester. All test should start from zero voltage. If the regulator of voltage is not at zero position the tester will be disenabled when switched on.
6. The leakage current at HV side is measured by digital micro ampere meter. The maximum error of meter can be assured is not more than 1uA.



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Below models are having standard ratings. Models can also be customized as per user's requirement .

	Rated Output DC Voltage (KV)	Rated Output DC Current (mA)	Rated Output Power(W)	Voltage Booster Height(m)	Weight(kg)
KPM-DC-60	60	2	120	0.5	16
	60	3	180	0.5	
	60	10	600	0.5	
KPM-DC-120	120	2	240	0.8	20
	120	5	600	0.8	
	120	10	1200	0.8	
KPM-DC-200	200	2	400	1.2	26
	200	5	1000	1.2	
	200	10	2000	1.2	
KPM-DC-300	300	2	600	1.7	31
	300	5	1500	1.7	
	300	10	3000	1.7	

Note

- # Kindly read the operation manual carefully before field usage
- # During measurement never remove the wiring or directly switch off the device
- # Always connect equipment body to healthy earth as per manual
- # Company is having right to change the design & specification of products without notification for betterment of product

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