



KPM High Voltage Insulation Tester (KPM-5KP)



KPM's High Voltage Insulation Tester (KPM-5KP) is equipped with real-time industrial microcomputer operating system. The instrument is capable of generating 500V, 1000V, 2500V, 5000V.

It is suitable for measuring insulation resistance of high capacity transformers, generators, high voltage electric motors, power capacitors, power cables, surge arresters and other electrical equipment.

- Auto- power off function (in 10 minutes without operation)
- Timer measurement function.
- Low battery indication
- Suitable for 12V DC adapter (12V/1A)

Specifications:

Insulation Resistance Tester:

Rated voltage	500V	1000V	2500V	5000V
Test range	0.0~99.9MΩ 100~999MΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~1.99G Ω	0.0~99.9 MΩ 100~999 MΩ 1.00~1.99GΩ 10.0~99.9GΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~9.99GΩ 10.0~99.9GΩ 100~1000GΩ
Open circuit Voltage	DC 500V +30%, -0%	DC 1000V +20% -0%	DC 2500V +20% -0%	DC 5000V +20% -0%
Rated current	0.5MΩ loading 1mA~1.2mA	1MΩ loading 1mA~1.2mA	2.5MΩ loading 1mA~1.2mA	5MΩ loading 1mA~1.2mA
Short - Circuit current	Approx. 1.3mA			
Accuracy	±5%rdg±3dgt (0~99.9GΩ) ±20%rdg±3dgt (above 100GΩ)			

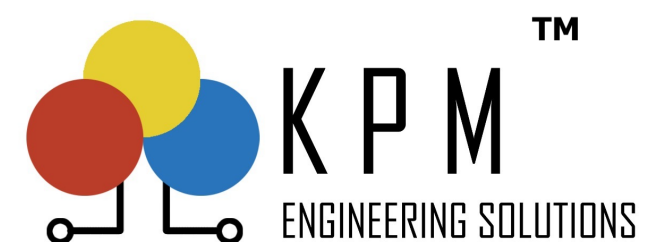
Features and functions

- Auto- discharge function to make, the operation safe.
- High power, strong anti-interference
- Analog and digital synchronous display
- AC-DC dual operation
- PI/DAR Measurement
- Advance "Guard" Feature for accurate measurements
- LCD Back-light.
- Digital readout display.
- Live circuit warning symbols with audio sounds.

Voltage Tester:

30~600V (Resolution 1V)

	DC	AC
Measuring range	±30~±600V	30~600V (50/60Hz)
Resolution	1V	
Accuracy	±2%rdg±3dgt	





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General Specifications :

Parameters	Technical Specification
Display	Max. 999 counts LCD display (1000 counts only at 1T is displayed)
Over range indication	OL mark appears on insulation resistance range. LO mark appears on voltage's range.
Auto- ranging	Range shifts to upper range: 1000 count Range shifts to lower range: 95 counts (merely on the insulation resistance range)
Sample rate	0.5~ 10 times/sec
Operable altitude	Less than 2000m (Indoor use)
Operation circumstance	Temperature 0~40C, humidity <= 85%
Storage circumstance	Temperature -20~ 60C, humidity <= 90%
Overload protection	Insulation resistance : AC 1200V/ 10s Voltage : AC 720V/ 10 s
Voltage resistance	AC8320 (50/60Hz)/ 5 second (between electrical circuit and enclosure)
Insulation resistance	1000M of more/ DC 1000V (between electrical circuit and enclosure)
Power supply	DC12V (8x1.5V LR14 battery)
Battery's life	Approx. 15 hours
Dimension	153x 96x 200mm
Weight	1032g (without batteries and test wires)

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