

# KPM's Insulation Resistance Tester (KPM-5KP+)



## Functions

- ❖ Microcomputer control, menu operation, LCD display, stable performance
- ❖ Suitable for measurements in strong electromagnetic interference environment.
- ❖ Wide measuring range, several voltage output gears.
- ❖ Output voltage is continuous and adjustable
- ❖ Auto measure R15, R60, R600, auto calculate DAR, PI
- ❖ Strong load capacity, short-circuit current is about 5mA.
- ❖ Measuring range up to 0 ~ 10TΩ, auto switching range.
- ❖ Analog bar pointer & digital display, clear and accurate
- ❖ Test time display at any time, buzzer beeps in every 15 seconds
- ❖ Auto discharge high voltage within 30 seconds after test
- ❖ Auto measure ambient temperature, air humidity, date and time.
- ❖ Storage capacity up to 60 records, data may not be lost for 20 years.
- ❖ RS232 serial interface
- ❖ Built-in Micro-printer
- ❖ Auto remind power off when no operation performs for 5 minutes
- ❖ Perfect Protection, high reliability

## Technical Specification

Rating test voltage	50V, 100V, 250V, 500V, 1.0kV, 2.5kV, 5.0kV
Measuring range high limit	10TΩ
Output voltage error	± 5 %
Short circuit current	About 5mA
First half range basic error	±( 5%·Rx + 1d )
Second half range basic error	±( 10%·Rx + 2d )
High voltage display error	±( 5%·Ux + 1d )
Temperature measurement error	±0.5°C
Air humidity measurement error	±2%RH
Power supply	14.8V lithium battery
Battery run time	30 days, every day 10 times DAR test & 5 times PI test
Insulation resistance	>500MΩ(between test line and case)
Withstanding	AC10.0kV 50Hz 1min(Test line to the case)
Temperature and humidity	0°C~+40°C < 85%RH
Storage temperature and humidity	-20°C~+50°C < 90%RH
Dimensions and N.W.	320×230×270mm, 4.5kg



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## Technical Specifications:

KPM IR Testers comes in below variants.

### 1) KPM-5KP

- <1ma Current
- 5KV DC Voltage source
- PI Facility

### 2) KPM-5KP+

- <5ma Current
- 5KV DC Voltage source
- Temperature and humidity measurement
- PI/DAR ( Optional)
- Leakage current measurement (Optional)
- Printer (Optional)

### 3) KPM-10KP+

- <5ma Current
- 10KV DC Voltage source
- Temperature and humidity measurement
- PI/DAR ( Optional)
- Leakage current measurement (Optional)
- Printer (Optional)

### 4) KPM-15KP+

- <5ma Current
- 15KV DC Voltage source
- Temperature and humidity measurement
- PI/DAR
- Leakage current measurement
- Printer (Optional)

### 5) KPM-20KP+

- <5ma Current
- 20KV DC Voltage source
- Temperature and humidity measurement
- PI/DAR
- Leakage current measurement
- Printer (Optional)

## About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

## Contact Us

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