DIGITAL INSULATION RESISTANCE TESTERS

HIGH VOLTAGE 10KV INSULATION RESISTANCE TESTER WITH POLARIZATION INDEX AND DIELECTRIC ABSORPTION RATIO
Model - KM 6213AIN

CAT III 300V



CE Approved

✶ **Microprocessor Controlled.**

✶ **Display :** 2 Lines x 16 characters Digital liquid crystal large size display.

✶ **FUNCTIONS :**

- **Output Voltage Adjustment (500V Step) :** from 500V to 10KV DC (20 steps).
- **Maximum Insulation Resistance (10KV) :** 500GΩ.
- **Basic Accuracy :** ± 5% rdg ± 2 dgts.
- **Dielectric Absorption Ratio & Polarization Index.**
- **Live warning Voltage :** > 500 VAC / DC.
- **Over load between all terminals :** 300 V.
- **Short Circuit Current** : upto 1.6 mA

✶ **ADDITIONAL FUNCTIONS :**

- Warning Voltage Detection.
- Automatically Stops the Test.
- Guard Connection to reduce errors.
- Automatic Discharge of Circuits.
- Measuring insulation of open contacts of circuit breaker.
- Measures Insulator on Railway coach.
- Use it to test insulation resistance, on ceramic insulators, between Bus Bars, between open circuit of contectors connections & of insulating materials.
- Auto Power Off.
- Low Battery Indication.

✶ **Power supply :** 8 x C size 1.5V Alkaline battery.

✶ **Weight:** Approx. 3.6 Kg

✶ **Dimension :** Approx. 330(L) x 260(W) x 160(H) mm

✶ **Accessories :** Anti-leakage, Color coded, Flexible silicone coaxial test lead with integrated guard, into the test probe, 3 Test Leads (AL-50 Red Test Leads (3 meter) as standard, Blue Test lead (1.25 meter) & Green Test lead (1.25 meter), User Manual, & Batteries.

5KV / 10KV / 15KV DIGITAL INSULATION RESISTANCE TESTER (Megohmmeter)
Model - KM 5405 / 5410 / 5415

Suitable for measuring Insulation Resistance in 400KV Substations



Short Circuit Current ≥6mA

CAT III 300V

✶ **Display :** 4-bit LCD display with gray screen backlight.

✶ **FUNCTIONS :**

Rated Voltage	KM 5405	KM 5410	KM 5415
100V	√		
250V	√	√	
500V	√	√	√
1000V	√	√	√
2500V	√	√	√
5000V	√	√	√
10KV		√	√
15KV			√
INSULATION RESISTANCE RANGE			
10TΩ	√		
35TΩ		√	
50TΩ			√

- **Accuracy :** ±3%rdg ~ ± 5dgt
- **DC Voltage :** 0.1 ~1000V
- **AC Voltage :** 0.1 ~750V
- **DC Current :** 0.01nA ~ 6mA
- **Capacitance :** 10nA ~ 50μF
- **Output short-circuitt current :** ≥6mA

✶ **SAFETY :** IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529

✶ **ADDITIONAL FUNCTIONS :**

- **Pressure Resistance :** AC3kV/50Hz 1min
- Suitable for measuring Insulation resistance test, Voltage Test, Current Test, Capacitance Test.
- PI & DAR indication.
- **Data Storage :** 500 groups, "FULL" symbol indicates that storage is full.
- **Protection Level :** IP54.
- **Data Review function:** "READ" symbol display
- PC Interface
- Alarm function
- Low Battery Indication
- Auto power off after 15 minutes.

✶ **Power supply :** 12V Rechargeable Battery.

✶ **Weight:** Approx. 2720g (including battery)

✶ **Dimension :** Approx. 240(L) x 188(W) x 85(H) mm.

✶ **Accessories :** Instruction manual, H.V. Test Wire : **Red** 3m-1pc, **Black** 1.5 m-1pc, **Green** 1.5m-1pc, H.V. Bar, Charger, USB cable, Software CD & Carrying case.

5KV / 10KV / 15KV HIGH PERFORMANCE HIGH VOLTAGE INSULATION RESISTANCE TESTER
Model - KM 5305IN / 5310IN / 5315IN

Short Circuit Current ≥7mA



CAT IV 600V

✶ **Microprocessor Controlled menu driven.**

✶ **Display :** 4 digit LCD Display

✶ **FUNCTIONS :**

Rated Voltage	KM 5305IN	KM 5310IN	KM 5315IN
250V	√	√	√
500V	√	√	√
1000V	√	√	√
2500V	√	√	√
5000V	√	√	√
10KV		√	√
15KV			√
INSULATION RESISTANCE RANGE			
10TΩ	√		
20TΩ		√	
30TΩ			√

- **Accuracy :** (5% ~10%) ± 10V
- **Withstand Voltage :** AC 3KV 50Hz 1 min (between the test circuit & shell)
- **Filtered Resistance Test Mode :** 10S, 20S, 30S, 40S
- **AC / DC Voltage measurement :** 0 ~ 1000V.
- **DC Current Measurement**: 0.01nA ~ 9mA
- **Capacitance Measurement**: 10nF ~ 25μF

Insulation Resistance Measurement Accuracy :

Rated Voltage	Range	Range	Accuracy
250V	50GΩ	500GΩ	50GΩ ~1TΩ ± 5%
500V	100GΩ	1TΩ	
1000V	200 GΩ	2 TΩ	
2500V	500 GΩ	5TΩ	500GΩ ~ 30TΩ ± 20%
5000V	1 TΩ	10TΩ	
10KV	2 TΩ	20 TΩ	
15KV	3 TΩ	30TΩ	

✶ **SAFETY :** IEC61010-1, IEC61326-1

Protection Level: Close case IP65. Open case IP40

✶ **ADDITIONAL FUNCTIONS :**

- PI & DAR indication.
- Ramp Test Mode & Filtered Resistance Test mode
- True Color touch screen
- Dielectric discharge
- Large capacity rechargeable Lithium battery
- **Test Timer:** Automatic record test time range: 0s~9999s
- Storage function automatically store the real-time test data with test date , time & timing total of 1000 groups.
- Upload the stored data to computer with USB cable.
- Low Battery Indication
- Auto power off after 15 minutes.

✶ **Power supply :** Rechargeable Lithium Battery. pack 6.2Ah

✶ **Weight:** Approx. 4900g (including battery)

✶ **Dimension :** Approx. 280(L) x 260(W) x 160(H) mm.

✶ **Accessories :** Instruction manual, H.V. Test Wire : **Red** 2.6 m-1pc, **Black** 2.6 m-1pc, **Green** 3 m-1pc, Alligator Clip-1, Hook-1, USB cable, Software CD & Carrying case.