KUSAM-MECO®
An ISO 9001:2015 Company

10KV HIGH VOLTAGE DIGITAL INSULATION RESISTANCE TESTER

THINK SAFETY
THINK KUSAM-MECO®

WITH POLARIZATION INDEX & DIELECTRIC ABSORPTION RATIO

Model KM 6213AIN

SPECIAL FEATURES :

- Variable High Voltage 500V-10kV DC.
- Voltage Steps of 500V.
- Shows Polarization Index (auto) & Dielectric Absorption Ratio.
- Fast Calculation and Display.
- Colour Coded Terminals-Test Leads.
- Warning Voltage Detection.
- Large LCD Display with timer.
- Automatically Stops the Test.
- Automatically Switch tester OFF.
- Works from 8 x C size 1.5V Alkaline Battery.
- Very Low Power Consumption.
- Guard Connection to reduce errors.
- Lightweight, Robust & Compact
- Automatic Discharge of Circuits
- Low Battery Indication.
- Includes AL-50 Red Test Leads (3 meter) as standard, Blue Test lead (1.25 meter) & Green Test lead (1.25 meter).



FEATURES :

- The KM 6213A IN is the KUSAM-MECO premium model of High Voltage Digital Insulation Resistance Testers.
- The KM 6213A IN has new added features with a low consumption High Performance processor.
- It displays results much faster and has more advanced features.
- The KM 6213A IN has Automatic Polarization Index and Dielectric Absorption Ratio Calculations.
- Results are displayed on the new High Contrast LCD. It's mounting angle makes it more readable for all users, in different working conditions.
- The user's manual reflects the new features and added benefits of this instrument.
- It has Auto-Off, Auto-Stop, EnerSave™ and is a non destructive tester.
- Once you start the tester, it waits for your selection. You can go up and down in voltage to select the voltage at which you want to test the insulation. Once you have selected that voltage, you need to connect the test leads to the Insulation Tester to measure. Then it measures voltage to ensure there is no voltage present on the equipment under test. If there is a voltage present, it will warn you to disconnect the circuit before proceeding. If it's free of any voltage, then you can proceed with the testing. This ensures that no damage is done to the Insulation Tester KM 6213AIN.
- One of the new innovation on this tester is also the way the new unique calibration process works. It's fully digital, has no moving parts and does not require expensive and complicated jigs or computers systems to be calibrated.

It's cheaper to maintain than any other Digital HV Insulation tester on the market today. The KM 6213AIN is supplied standard with our Premium test Leads Kit, the AL-50.

SAFETY :

CE marking according to the Low Voltage Directive (2006/95/EC) and EMC Directive (2004/108/EC, 92/31/EEC, & 93/68/EEC) and found to comply with the essential requirement of the directives.

IEC/EN 61010-1: 2001. EN 61326-1, EN 55011+A1+A2, EN 61000-3-2+A2, EN 61000-3-3+A1+A2, EN 61000-4-2+A1+A2, EN 61000-4-3+A1, EN 61000-4-4, EN 61000-4-5+A1, EN 61000-4-6+A1, EN 61000-4-8+A1, EN 61000-4-11.



AL-50 Red Test Lead standard



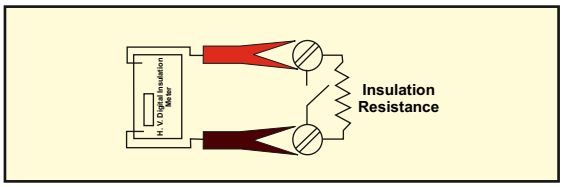
AL-30 TestLead



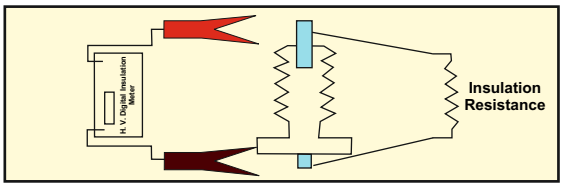
AL-30C TestLead

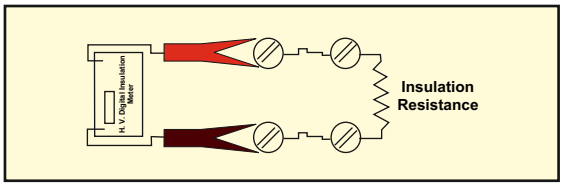
All Specifications are subject to change without prior notice

Measuring Insulation of Open Contacts of Circuit Breaker.

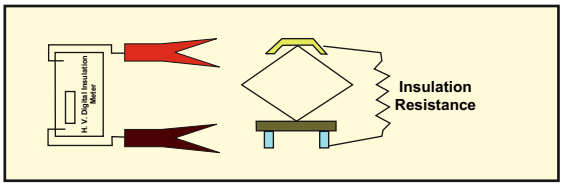


Insulator





Measuring Insulation between contacts of Circuit Breaker.



Insulator on Railway Coach

- The KM 6213AIN is the new Standard in "Best Value for Money" High Voltage Insulation Meters. It is a low cost tool for trend analysis.
- Use it to test Insulation Resistance; on Ceramic Insulators, between Bus Bars, between Open Circuit of contectors connections, of Insulating Materials.
- The KM 6213AIN is the best meter for maintenance in it's category. It is mainly used for periodic measurements to ensure that user and equipment are safe.
- The new PI and DAR features are useful to schedule maintenance. The user keeps records of the PI and DAR results and analyze these results over time.
- Maintenance can be done according to analysis and downtime can be scheduled, so that production does not suffer, thus saving production down time & money.
- In the past, without the PI and DAR, user's could not do scheduled preventive maintenance and therefore, breakdown occured randomly and production was down anytime without any alternative planning.
- The KM 6213AIN is portable, tough and rugged and can sustain industrial environment handling, it can test at voltage from as low as 500V up to as high as 10000V, adjustable with a 500V step.
- The Cover contains the test leads and the user's manual, all in one unit. Once the lid is open, a quick instruction panel can be read while using the instrument, thus, reducing user's mishandling.

ELECTRICAL SPECIFICATIONS :

Output Voltage Adjustment (500V Step)	From 500V To 10KV DC
Maximum Insulation Resistance (10KV)	600G Ohms
Accuracy	± 5%rdg ± 1dgt
Dielectric Absorption Ratio	R@1 Min / R@30sec
Polarization Index	R@10 Min / R@1Min
Power Output Limits	1W
Resistance Per Voltage	25GΩ/500V
Pollution degree	2
Operating Temperature & Humidity	0 ~ 40°C ; 85% RH
Storage Temperature & Humidity	-10°C ~ 65°C; ≤ 85% RH
Live Warning Voltage	> 300VAC
Calibration	Eeprom
Calibrate Current	YES
Calibrate Voltage (using Cal. Resistors)	YES
Protections	Diodes
Over Voltage Class III	300V
Over Load Between All Terminals	300V
Low Battery Indicator	<8VDC
CAT III	300V
Battery	"C" Type 8x1.5V alkaline
Weight	Approx. 3.6kg
Dimension	330(L) x 160(W) x 255(H) mm

ACCESSORIES :

Anti-leakage, Color coded,
Flexible silicone coaxial test lead with
integrated guard, into the test probe,
3 Test Leads, Manual, &
Batteries installed.

All specifications are subject to change without prior notice.

KUSAM-MECO®
An ISO 9001:2015 Company

Shop no.18, 1st Floor, CIDCO Shopping Complex, Plot # 9, Sector-7, Rajiv Gandhi Marg,
Sanpada, Navi Mumbai - 400705. **Sales Direct :** +91-9867488006, 9867675093
Email : sales@kusam-meco.co.in **Web.:** www.kusamelectrical.com