

# 10kV Digital Variable High Voltage Insulation Tester



**Model: 96213**



**Test Voltage: 500V-10KV( $\Delta U=500V$ )**  
**Measuring Range: 800K $\Omega$ -500G $\Omega$**   
**Dielectric Absorption Ratio**  
**Polarization Index**

## Features:

- 2 x 16 characters, large, High Contrast, Intelligent L.C.D. Module.
- 20 Insulation test voltages  
500V, 1KV, 1.5KV, 2KV, 2.5KV, 3KV, 3.5KV, 4KV, 4.5KV, 5KV, 5.5KV, 6KV, 6.5KV, 7KV, 7.5KV, 8KV, 8.5KV, 9KV, 9.5KV, 10KV.
- Calculate Dielectric Absorption Ratio (DAR) Automatically.
- Calculate Polarization Index (PI) Automatically.
- Insulation resistance Auto-Ranging on all ranges.
- Ener-Save™ .
- Bar graph indicates test voltage. Rise and decay can be observed.
- Warning of external voltage presence(>500Vac or Vdc).
- Overload protection.
- Low battery indicator (real time battery Voltage Measurement).
- Measure insulation time duration of the test.
- Low battery consumption.
- Smart microprocessor controlled.
- One year factory warranty.
- Better than 10% accuracy on all ranges.
- Auto-off.
- Compact and lightweight.

## Scope of Supply:

- 1 pc H.V. Insulation Tester 96213
- 1 set Anti-leakage, Color coded, Flexible silicone coaxial test lead with integrated guard, into the test Probe.
- 8 pc Battery 1.5 V IEC LR14
- 1 pc Instruction Manual

This digital insulation tester is a variable high voltage insulation meter from 500 V to 10KV in 500V steps.

Its output voltage can be adjusted using 500 V up or down steps.

The meter is menu driven and uses Dynamic Current Auto-ranging technology.

It is equipped with a bar-graph which displays the voltage stressing the insulation while the test is in progress.

This bar-graph is showing voltage output during the first 30 seconds of the test or during automatic discharge of circuits.

During the automatic discharge of the circuit tested, the bar-graph displays the voltage decay.

The display shows the elapsed time since the start of the test.

Digital readout of the total time remains displayed even after testing has ceased.

A 6 digit digital display is showing the actual Insulation Resistance.

This instrument displays and sounds a voltage warning when AC or DC is present before injecting the test voltage.

The warning circuit can only detect when voltage is higher than 500V .

This Variable High Voltage Digital Insulation Meter will buzz intermittently when high voltage is generated and this will remain until the circuit under test is fully discharged.

## Technical Data:

Test Voltage	From 500V to 10KV / DC Adjustable in 500 V Steps
Preset Buttons	1KV, 2.5KV, 5KV, 10KV
Measuring Range	800K $\Omega$ -500G $\Omega$ (AUTO-RANGING)
Accuracy	$\pm 5\% \pm 2$ digits
Power supply	8 x 1.5V, IEC LR14
Output Power Limit	1W
Dimensions	330 x 260 x 160 mm
Weight	approx. 3.80 kg (battery included)
Voltage Regulation	Selected Voltage +20%-5% of nominal value unless current limited. Meaning that if output current is too high, the voltage will be lowered automatically.
Safety complying with	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