

15kV Digital Variable High Voltage Insulation Tester

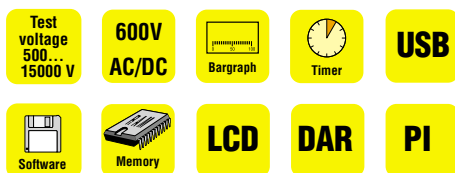


Model: 97015



Introduction:

- ◆ This is a variable high voltage insulation tester from 500V to 15kV in 500V steps.
- ◆ The is menu driven and uses Dynamic Current Auto ranging technology.
- ◆ It has a Bar-Graph which displays the voltage stressing the insulation while the test is in progress and the voltage decay during the automatic discharge of the tested circuit.
- ◆ The top line of the display shows the elapsed time at the start of the test. Digital readout of the total time will remain displayed even after testing has ceased.
- ◆ A 4-digit display (2000 counts) is showing the actual insulation resistance.
- ◆ This instrument displays a voltage warning and sounds when AC or DC is present before injecting the test voltage.



Test Voltage: 500V-15kV($\Delta U=500V$)

Measuring Range: to 2T Ω

Short-circuit current up to 5mA

DAR Test

PI Test

Voltmeter: AC/DC 600V

USB data transmission

Features:

- Test voltages : 500V-15kV ($\Delta U=500V$)
- Test Insulation Resistance up to 2 T Ω (2000G Ω).
- Short-circuit current up to 5mA
- Microprocessor controlled.
- 2x16 characters large, high contrast, intelligent LCD module.
- Backlight function.
- PI (Polarization Index) indication.
- DAR (Dielectric Absorption ratio) indication.
- Auto-ranging on all insulation ranges.
- Menu driven.
- Bargraph indicates test voltage, rise and decay can be observed.
- Visual and audible warning if external voltage is present. ($\geq 30V/AC/DC$)
- Auto-hold function to freeze the reading.
- Overload protection.
- Adjustment for testing time (duration) : 1~30 minutes.
- AC/DC Voltmeter. up to 600V
- Auto-off.
- Calendar and Time
- Optical USB to RS-232 data transmission.
- 200 measurement results can be saved in the memory and recalled on the display.
- Safety standard: EN 61010-1 / EN 61326-1/ CAT IV 600V

Technical Data:

Test Voltage	From 500V to 15KV / DC Adjustable in 500 V Steps
Preset Buttons	1KV, 5KV, 10KV, 15KV
Measuring Range (Auto-Ranging)	0-70G Ω (at 500V) 0-2000G Ω (at 15kV)
Resolution	2 G Ω /0.001 G Ω 20 G Ω /0.01 G Ω 200 G Ω /0.1 G Ω 2000 G Ω /1 G Ω
Accuracy	0-2 G Ω \pm (5% + 5 digits) 2-20 G Ω \pm (2% + 3 digits) 20-200 G Ω \pm (3% + 3 digits) 200-2000 G Ω \pm 5(% + 5 digits)
Short circuit current	Max 5mA
Voltmeter/Resolution	0-600V / 1V / AC/DC
Accuracy	\pm (2% + 3 digits)
Power Source	Rechargeable battery
Dimension	435x 325 x 130 mm
Weight	Approx. 6kg
Safety complying with	EN 61010-1 / EN 61326-1
CAT IV	600V

Scope of Supply:

- 1 pc H.V. Insulation Tester 97015
- 1 set Test leads
- 1 pc data cable for USB port
- 1 pc Compact disk (CD) for PC interface
- 1 pc Charger (24V)
- 1 pc Instruction Manual