

## T-3630

### HV Insulation Resistance Tester

*The model T-3630 High Voltage Insulation Resistance Tester also known as megohmmeter, high voltage insulation resistance tester, etc., for the insulation resistance test. The instrument has a large LCD screen gray backlight display, data storage, data access, alarm, automatic shutdown and other functions. At the same time, it also has the function of measuring DC voltage, AC voltage, absorption ratio and polarization index of DC voltage. The electrical test equipment is beautiful and upscale, has a wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, strong anti-interference ability.*

*Moreover, it has a shockproof, dustproof, moisture-proof structure and is a commonly used and indispensable instrument for telecommunications, electricity, meteorology, computer rooms, oil fields, electromechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. It is suitable for measuring the resistance value of various insulating materials and the insulation resistance of transformers, motors, cables and electrical equipment.*

*At the same time, it can output a variety of different voltage levels with the step-adjusting voltage function (for example, 15KV models can generate 12KV levels, which can be used more widely). T-3630 High Voltage Insulation Resistance Tester consists of large scale integrated circuits. The output power of the meter is large, and the output voltage level is a lot (with 6 voltage levels). DC voltage measurement range is from 0 to 1000V, AC voltage measurement range is from 0 to 750V. DC current measurement range is from 100pA to 6mA. Capacitance measurement range is from 10nF to 50uF.*



### Features

1. Accuracy 3%
2. 0-50TΩ
3. DC voltage 0-1000V
4. AC voltage 0-750V
5. 250V, 500V, 1KV, 2.5KV, 5kv, 10KV, 15KV
6. 10nf-50uf Capacitance measurement
7. 100pA-6mA DC current measurement

### Functions

1. Insulation resistance test
2. Voltage test
3. DC current test
4. Capacitance test
5. User friendly menu guided operation
6. With rechargeable battery
7. With PC software

## Parameters

### Electrical parameters

Function	Insulation resistance test, voltage test, DC current test, capacitance test
Accuracy	3%
Power Supply	12V rechargeable battery
Rated voltage range	100v, 250V, 500V, 1000V, 2500V, 5000V, 10KV, 15KV
Insulation resistance range	0.01MΩ~50TΩ
Resolution	0.01MΩ
DC Test Voltage Range	0~1000V; Resolution: 0.1V
AC Test Voltage Range	0~750V; Resolution: 0.1V
DC Current	0.1nA~6mA; Resolution: 0.1nA
Capacitance	10nF~50uF; Resolution: 10nF
Output short-circuit Current	≥6mA
Absorption Ratio and Polarization Index Measurement	Yes
Backlight	Yes
LCD display	108mm×65mm, 4-bit LCD display, gray screen backlight
Communication	USB Port
Data Storage	500 GROUPS
Alarm Function	Yes
Power Consumption	Standby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)
Insulation Resistance	≥50MΩ (500V between circuit and shell)
Withstand voltage	AC3kV/50Hz 1min (between circuit and housing)
Standard	IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54), pollution grade 2, CAT III 300V

### Mechanical parameters

Dimensions (W×D×H) (mm)	240x188x85
Weight (kg)	2.75

### Environmental conditions

Operating temperature	-10°C to +50°C
Storage temperature	-40°C to 70°C
Relative humidity	≤90%RH

## Selection guide

### Model Selection

MODEL	T-3630A	T-3630B	T-3630C
Max Output Voltage	5KV	10KV	15KV
Resistance Range	10TΩ	35TΩ	50TΩ