

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 testing. 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, T-3630 HV insulation resistance tester 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 15KV levels, which can be used more widely). T-3630 high voltage insulation 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%;
- 3. AC voltage 0-750V;
- 5. 10nf-50uf Capacitance measurement;
- 7. IP65 structure portable designed;

1. Voltage test;

Functions

- 4. With PC software;
- 7. User friendly menu guided operation;

- 2. DC voltage 0-1000V;
- 4. Resistance range $0-50T\Omega$;
- 6. 100pA-6mA DC current measurement;
- 8. 250V, 500V, 1KV, 2.5KV, 5kV, 10KV, 15KV;
- 2. DC current test;
- 5. Insulation resistance test;
- 3. Capacitance test;
- 6. With rechargeable battery;

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Parameters

Max, Measure: 300mA Max(backlight off)Insulation Resistance≥50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IEC	Electrical parameters		
Accuracy3%Power Supply12V rechargeable batteryRated voltage range100v, 250V, 500V, 1000V, 2500V, 5000V, 10KV, 15KVInsulation resistance range0.01MQ ~50TQResolution0.01MQDC Test Voltage Range0~1000V; Resolution: 0.1VAC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1NACapacitance10nF~50UF; Resolution: 10nFOutput short-circuit Current26mADA and PIYesBacklightYesLCD display108mmx65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltageAC3kV/S0H2 1min (between circuit and housing)Hv red cable 3m, black 1.5m, green 1.5mYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1, 2, 5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions240x188x85Operating temperature-10°C to +50°CStorage temperature40°C to 70°C	Function	Insulation resistance test, voltage test, DC current test,	
Power Supply12V rechargeable batteryRated voltage range100v, 250V, 500V, 100V, 2500V, 5000V, 10KV, 15KVInsulation resistance range0.01MΩ~50TΩResolution0.01MΩDC Test Voltage Range0~1000V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1NContruct10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltage250MΩ (500V between circuit and shell)Withstand voltageYesStandby: 30mA Max(backlight off)1200V, Execolution: 0.15m, FesoWithstand voltageYesDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions240x188x85Operating temperature-10°C to +50°CStorage temperature40°C to 70°C		capacitance test	
Rated voltage range100v, 250V, 500V, 100V, 2500V, 500V, 10KV, 15KVInsulation resistance range0.01MΩ~50TΩResolution0.01MΩDC Test Voltage Range0~1000V; Resolution: 0.1VAC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1NACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesLCD display108mmx65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mAWithstand voltageAC3kV/50Hz 1min (between circuit and shell)Withstand voltageYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parametersYesDimensions (WxDxH) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-10°C to 7°C	Accuracy	3%	
Insulation resistance range0.01MΩ~50TΩResolution0.01MΩDC Test Voltage Range0~1000V; Resolution: 0.1VAC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1ACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off)Withstand voltageAC3kV/50Hz 1min (between circuit and shell)Withstand voltageYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IPS4), pollution grade 2, CAT III 300V, EN/IECMechanical parametersYesDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions2.75Operating temperature-10°C to +50°CStorage temperature40°C to 70°C	Power Supply	12V rechargeable battery	
Resolution0.01MΩDC Test Voltage Range0~1000V; Resolution: 0.1VAC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1nACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IPS4), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions40°C to 70°C	Rated voltage range	100v, 250V, 500V, 1000V, 2500V, 5000V, 10KV, 15KV	
DC Test Voltage Range0~1000V; Resolution: 0.1VAC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1nACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GR0UPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltageAC3kV/50H2 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1, 2, 5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters2.75Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-0°C to 70°C	Insulation resistance range	0.01ΜΩ~50ΤΩ	
AC Test Voltage Range0~750V; Resolution: 0.1VDC Current0.1nA~6mA; Resolution: 0.1nACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current26mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltageAC3kV/S0Hz 1min (between circuit and shell)Withstand voltageAC3kV/S0Hz 1min (between 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2,75Environmental conditions-0°C to +50°C -40°C to 70°C	Resolution	0.01ΜΩ	
DC Current0.1nA~6mA; Resolution: 0.1nACapacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current≥6mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Withstand voltageAC3kV/50Hz 1min (between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°C -40°C to 70°C	DC Test Voltage Range	0 \sim 1000V; Resolution: 0.1V	
Capacitance10nF~50uF; Resolution: 10nFOutput short-circuit Current≥6mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance≥50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°C -40°C to 70°C	AC Test Voltage Range	0 \sim 750V; Resolution: 0.1V	
Output short-circuit Current>6mADAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MQ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-40°C to 70°C	DC Current	0.1nA~6mA; Resolution: 0.1nA	
DAR and PIYesBacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>500MQ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-10°C to 70°C	Capacitance	10nF \sim 50uF; Resolution: 10nF	
BacklightYesLCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure : 300mA Max(backlight off)Insulation Resistance>50MQ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-10°C to 70°C	Output short-circuit Current	≥6mA	
LCD display108mm×65mm, 4-bit LCD display, gray screen backlightCommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MQ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-10°C to 70°C	DAR and PI	Yes	
CommunicationUSB PortData Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters2.75Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-40°C to 70°C	Backlight	Yes	
Data Storage500 GROUPSAlarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MQ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters2.75Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-40°C to 70°C	LCD display	108mm×65mm, 4-bit LCD display, gray screen backlight	
Alarm FunctionYesPower ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-40°C to 70°C	Communication	USB Port	
Power ConsumptionStandby: 30mA Max(backlight off), Turn on backlight: 42mA Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-40°C to 70°C	Data Storage	500 GROUPS	
Max, Measure: 300mA Max(backlight off)Insulation Resistance>50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°CStorage temperature-40°C to 70°C	Alarm Function	Yes	
Insulation Resistance≥50MΩ (500V between circuit and shell)Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-40°C to 70°C	Power Consumption	Standby: 30mA Max(backlight off), Turn on backlight: 42mA	
Withstand voltageAC3kV/50Hz 1min (between circuit and housing)Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parameters240x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions		Max, Measure: 300mA Max(backlight off)	
Test cableHV red cable 3m, black 1.5m, green 1.5mPC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parametersZ40x188x85Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C	Insulation Resistance	\geq 50M Ω (500V between circuit and shell)	
PC softwareYesStandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parametersIEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-10°C to 70°CStorage temperature-40°C to 70°C	Withstand voltage	AC3kV/50Hz 1min (between circuit and housing)	
StandardIEC61010-1, IEC61010-2-30, IEC61557-1,2,5, IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parametersDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C	Test cable	HV red cable 3m, black 1.5m, green 1.5m	
IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IECMechanical parametersDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C	PC software	Yes	
Mechanical parametersDimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C	Standard	IEC61010-1, IEC61010-2-30, IEC61557-1,2,5,	
Dimensions (W×D×H) (mm)240x188x85Weight (kg)2.75Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C		IEC60529(IP54), pollution grade 2, CAT III 300V, EN/IEC	
Weight (kg)2.75Environmental conditions-10°C to +50°COperating temperature-10°C to 70°CStorage temperature-40°C to 70°C	Mechanical parameters		
Environmental conditionsOperating temperature-10°C to +50°CStorage temperature-40°C to 70°C	Dimensions (W×D×H) (mm)	240x188x85	
Operating temperature-10°C to +50°CStorage temperature-40°C to 70°C	Weight (kg)	2.75	
Storage temperature-40°C to 70°C	Environmental conditions		
	Operating temperature	-10°C to +50°C	
Relative humidity ≤90%RH	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	10ΤΩ	35ΤΩ	50ΤΩ

Accessories

