# S430 Diagnostic 5kV Insulation Tester



## FEATURES

Shock a	and weatherproof design
Noise fil	Itering
Automa	tic discharge
DAR & I	PI
Step vol	Itage test
Capacit	ance and Current readings
Data Sa	ave & Hold.
Measure	ement Range: $0.01M\Omega \sim 10.00T\Omega$
Resoluti	ion: 0.01MΩ

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### SPECIFICATIONS

Functions	Insulation Resistance, Current Value, Capacitance Value, Polarization Index, Dielectric Absorption Ratio, Automatic Discharge, Ambient Temperature Display, Filter, Time, Data hold & save	
Power	DC 14.8 V, 2600mAh rechargeable Li-Battery, approx. 16.8 V in fully charged status	
Test Voltage	100V, 250V, 500V, 1000V, 2500V, 5000V	
Short Circuit Current	≥5mA	
	L terminal: High Voltage Terminal. Connect one end of the test leads to the L terminal, and the other end should be connected/clamped on to the device under test.	
Connections	G terminal: Guard Terminal, it is used to provide a return path for surface leakage current and minimize its effect on the results.	
	E terminal: Earth Terminal, usually connected to the ground or neutral terminal of the measured object.	
Time	Max: 99min and 99seconds, depending on the test method, adjustable	
Resolution	Insulation Resistance: 0.01MΩ	
LCD	5.6 bit Color LCD	
Data is automatically saved upon the completion of the test, u sets of data, including the current test data, ambient temperat time and other information.		
View Data	Use the buttons to select View Data option on the homescreen, and use the arrows to browse through the data	
Automatic shut-down	Instrument will automatically shut down without operation in 15 minutes	
Standard Test Leads	1 red, 1 green and 1 black test lead with clip.	

Battery Voltage	Display the remaining battery in real time. Please charge in a timely manner when the battery is low. No output voltage for testing when the battery is low
Dimensions	320mm(L) ×240mm (W)×145mm(H)
Weight	Approximately 3.25kg (battery included)
Data Transmission	Download data through the USB port
Communication Interface	USB port, the saved data can be uploaded to the computer for saving or printing.
Ideal Working Conditions	-10°C~50°C; no condensations when below 80% RH
Ideal Storage Conditions	-20°C~60°C; no condensation when below 70% RH,
Withstand Voltage	AC 5kV 50Hz, 1min between test leads and the housing.
Dielectric Strength	Above 500 $M\Omega$ between the test leads and the housing.
EMC	IEC61326(EMC)
Safety Standards	CAT IV 600V

#### INSULATION RESISTANCE MEASUREMENT RANGE AND ACCURACY

Output Voltage	Range	Accuracy
	0.01MΩ~1.00GΩ	±3%rdg±5dgt
	1.00GΩ~100GΩ	±15%rdg±5dgt
	0.01MΩ~2.50GΩ	±3%rdg±5dgt
2500 DC	2.50GΩ~250GΩ	±15%rdg±5dgt
	0.01MΩ~5.00GΩ	±3%rdg±5dgt
500V DC	5.00GΩ~500GΩ	±15%rdg±5dgt
	0.01ΜΩ~10.00GΩ	±3%rdg±5dgt
	10.00GΩ~1.00TΩ	±15%rdg±5dgt
25001/ DC	0.01MΩ~25.0GΩ	±3%rdg±5dgt
2500 0 DC	25.0GΩ~2.50TΩ	±15%rdg±5dgt
	0.01MΩ~50.0GΩ	±3%rdg±5dgt
3000 V DC	50.0GΩ~10.00TΩ	±15%rdg±5dgt

### CAPACITANCE AND CURRENT MEASUREMENT RANGE AND ACCURACY

Output Voltage	Range	Accuracy
Current Measurement Range	0.01nA~10000.0uA	±5%±0.2nA
Capacitance Range	0.010uF~100.0µF	±10%±0.005uF

#### SALES OFFICE

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