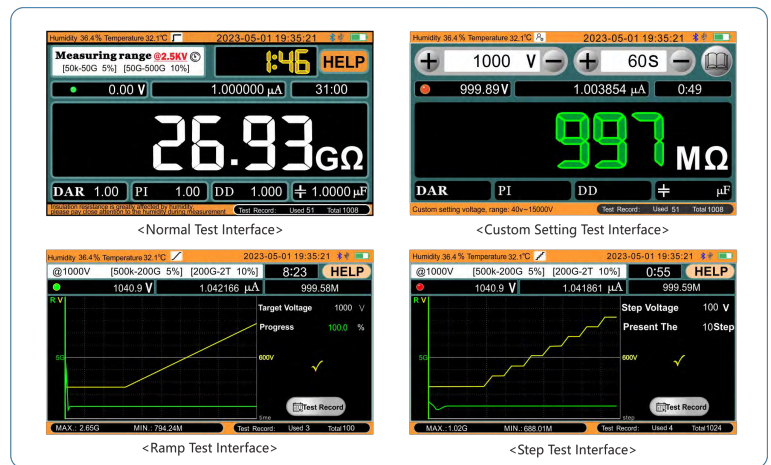
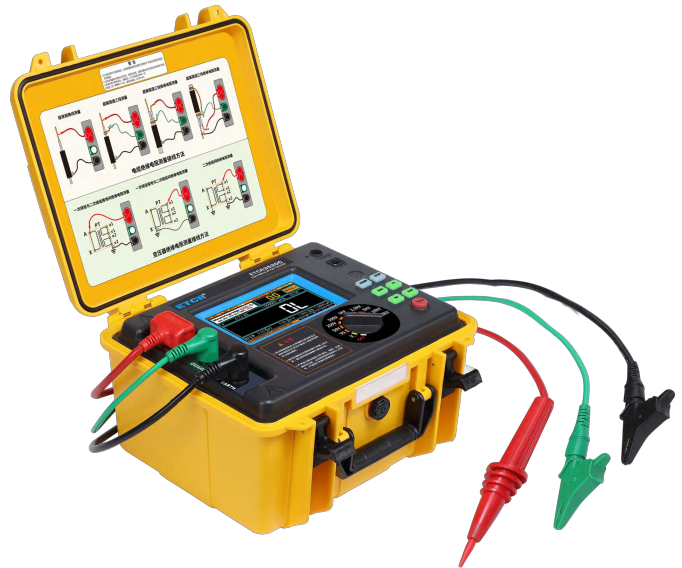


ETCR3520/3520B/3520C High Voltage Insulation Resistance Tester

- ◆ Output Voltage 50V~ 15kV
- ◆ Test Resistance 0.005MΩ~ 30TΩ
- ◆ Max Short Circuit Current 7mA
- ◆ Polarization Index Test (PI)
- ◆ Dielectric Absorption Ratio Test (DAR)
- ◆ Step Test Mode(STEP)
- ◆ Ramp Test Mode (RAMP)
- ◆ Dielectric discharge index(DD)

- ◆ Capacitance Test (CAP)
- ◆ Custom Setting Output Voltage
- ◆ Custom Setting Test Time 10s~60min
- ◆ Large Capacity Rechargeable Lithium Battery
- ◆ USB Communication
- ◆ Bluetooth Communication



Product Function

Suitable for the insulation resistance test of large-scale electrical equipment and transmission cable in large-capacity, high-voltage, and strong-inductive electrical environments.

Insulation resistance test (IR); polarization index test (PI); Dielectric absorption ratio test (DAR); Step test(STEP); Ramp test (RAMP); Dielectric discharge index test(DD). AC/DC Voltage test(V); Distributed capacitance test(CAP).

Product Features

1. Touch colorful screen, and the test data will be displayed on the same screen. It is very convenient to test operation and view history record.
2. With the unique strong anti-interference technology and stable testing capabilities in large distributed capacitance site (such as long cables) and strong electromagnetic interference environments (such as substations).
3. Perfect measurement index: insulation resistance (IR), polarization index (PI), dielectric absorption ratio (DAR), step (STEP), ramp (RAMP), dielectric discharge index (DD), distributed capacitance (CAP), AC/DC voltage (V).
4. Custom setting measurement mode, optional PI and DAR calculation formulas, custom setting test voltage and custom setting test duration, which can provide variety of options to user and convient the special site request.
5. Voltage monitor: Automatically monitoring the live voltage of the measured object. when the voltage exceed 36V and will automatically prohibit to test to effectively protect the instrument and the operator.
6. Current monitor: Automatic display the current of test circuit
7. Temperature monitor: Automic display the temperature and humidity of tester inside.
8. Automatic discharge function, automatically and quickly release the electric charge of the measured object after the test, no need the external discharge circuit.
9. Large-capacity test record memory, test records can be directly browsed and analyzed in the tester. the tester can automatically store 1000 sets of real-time test data with test date and test time.
10. USB communication and upload function, the recorded data can be uploaded to the computer for stored statistical analysis.
11. Bluetooth communication function, can upload the test results to the mobile phone.

Insulation Resistance Test Accuracy

Rate Voltage		50V	250V	500V	1000V	2500V	5000V	10kV	15kV
Range & Accuracy	±5%	10.0GΩ	50.0GΩ	100GΩ	200GΩ	1.00TΩ	2.00TΩ	4.00TΩ	6.00TΩ
	±20%	100GΩ	500GΩ	1.00TΩ	2.00TΩ	5.00TΩ	10.0TΩ	20.0TΩ	30.0TΩ

Technical Specifications

Model	ETCR3520	ETCR3520B	ETCR3520C
Rated Voltage	50V, 250V, 500V, 1000V, 2500V, 5000V	50V, 250V, 500V, 1000V, 2500V, 5000V, 10kV	50V, 250V, 500V, 1000V, 2500V, 5000V, 10kV, 15kV
Output Voltage Accuracy	(5%~10%) ±10V	(5%~10%) ±10V	(5%~10%) ±10V
Insulation Resistance Range	0.005MΩ~10.0TΩ	0.005MΩ~20.0TΩ	0.005MΩ~30.0TΩ
Short Circuit Current	≥7mA	≥7mA	≥7mA
Power Supply	Rechargeable lithium battery pack 6.2Ah 14.8V		
Capacitance Measurement	Range: 10nF~200uF; Accuracy: ±10%rdg ± 10nF		
Voltage Measurement	Range: 0V~1000V; Accuracy: ± 5%rdg ±3V		
Custom Setting Output Voltage	ETCR3520: 40V~5kV ETCR3520B: 40V~10kV ETCR3520C: 40V~15kV		
Custom Setting Test Time	10s~3600s		
Polarization Index (PI)	Yes		
Dielectric Absorption Ratio (DAR)	Yes		
Step Voltage(STEP)	Yes		
Ramp(RAMP)	Yes		
Dielectric discharge index (DD)	Yes		
Real Time Current Value	Display test current value, current display range: 0.001nA~7.5mA		
Real Time Voltage Value	Automatically monitoring the voltage of the measured object. when the voltage exceed 36V and will automatically prohibit to test to effectively protect the instrument and the operator.		
Test Timer	Automatically record test duration, timing range: 0s~9999s		
Store Function	Automatically store the test date, time and timing, total of 1000 groups, which can view and replay the stored test record		
USB Communication	Yes, upload the test record to PC through the USB cable		
Bluetooth Communication	Yes, can connect to the Android mobile or others with the buletooth communication device		
Battery Power Indication	With the battery power indication, when battery voltage low will remind to charge in time		
Automatic Shutdown	After 15 minutes start up will shut down automatically without any operation		
Tester Dimension	280mm×260mm×160mm		
Instrument Weight	Host: 3737g(with rechargeable battery); total weight:5.72kg(include all accessories)		
Protection Level	Close the case IP65; open the case IP40		
Working Environment	-20℃~50℃; 80%rh		
Withstand Voltage	AC 3Kv 50Hz 1min (between the test circuit and shell)		
Suitable Safety Standard	IEC61010-1, IEC61326-1		
Accessories	Host: 1PCS, high voltage test wire(red): 1PCS, Test wire (green): 1PCS; Test wire (black): 1PCS; Alligator clip: 1PCS; Hook 1PCS; USB communication cable 1PCS; Software CD: 1COPY; Tool bag: 1PCS		

