

**AUTEL MAXIEV**

# EV INSULATION RESISTANCE TESTER

## MEGOHMMETER • SAFE & RELIABLE

### MAXIEV ITS100

### IDEAL FOR POST-REPAIR CHECKS ON HIGH-VOLTAGE VEHICLES

- Maximum test voltage of 1000V (DC) and 750V (AC).
- Complies with IEC/EN 61010-1 1000V CAT III, 600 V CAT IV measurements.
- High accuracy of resistance measurement before loading into the vehicle.
- Provides easily interpretable visualized data for informed decision-making during vehicle maintenance.
- Three measurement modes: relative, timely, and continuity.
- Automatic power-off function to conserve battery power.
- Use to discharge capacitors and testing/diagnosing isolation faults or shorts.
- Tests high voltage wiring and components such as stator windings for shorts.



## HARDWARE SPECIFICATIONS



INSULATION RESISTANCE RANGE	0.01MΩ ~ 10.00GΩ
INSULATION TEST OUTPUT VOLTAGE	50V, 100V, 250V, 500V, 1000V
RESISTANCE TEST	0.01Ω~200Ω
DC VOLTAGE TEST	0.1~ 1000V
AC VOLTAGE TEST	0.1V~750V
DIMENSIONS (WEIGHT)	180*140*65mm (0.9kg)

OUTPUT VOLTAGE	50V (0~20%)			100V (0~20%)			250V (0~20%)				500V (0~20%)				1000V (0~20%)						
RANGE	0~ 20 MΩ	20~ 200 MΩ	200~ 500 MΩ	0~ 20 MΩ	20~ 200 MΩ	200 MΩ~ 1.00 GΩ	0~ 20 MΩ	20~ 200 MΩ	200 MΩ~ 250 GΩ	250 MΩ~ 2.50 GΩ	0~ 20 MΩ	20~ 200 MΩ	200~ 500 MΩ	500 MΩ~ 5.00 GΩ	0~ 200 MΩ	200~ 1000 MΩ	1.00~ 5.00 GΩ	5.00~ 10.00 GΩ	10.00~ 30.00 GΩ	30.00~ 100.00 GΩ	
RESOLUTION	0.01 MΩ	0.1 MΩ	10 MΩ	0.01 MΩ	0.1 MΩ	10 MΩ	0.01 MΩ	0.1 MΩ	1 MΩ	10 MΩ	0.01 MΩ	0.1 MΩ	10 MΩ	0.1 MΩ	1 MΩ	0.1 GΩ	1 GΩ	0.1 GΩ	0.1 GΩ	0.1 GΩ	
TEST CURRENT	1mA@50K			1mA@100K			1mA@250K				1mA@500K				1mA@1000K						
ACCURACY	±(3%rdg+5dgt)		±(5%rdg+5dgt)	±(3%rdg+5dgt)		±(5%rdg+5dgt)	±(3%rdg+5dgt)			±(5%rdg+5dgt)	±(3%rdg+5dgt)		±(5%rdg+5dgt)	±(3%rdg+5dgt)		±(5%rdg+5dgt)	±(3%rdg+5dgt)	±(5%rdg+0.1 GΩ)	±(10%rdg+0.2GΩ)	±(20%rdg+0.2GΩ)	±(30%rdg+0.3GΩ)



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