

## Product Function

Suitable for measuring the insulation resistance of various electrical equipment and insulation materials such as transformers, motors, cables, switches, and electrical appliances, and for maintenance, repair, testing, and verification of various electrical equipment. The meter also has the function as digital multimeter which can measure AC/DC voltage, current, resistance, capacitance, frequency, diode, and continuity measurement, etc.

## Product Features

1. Max. output voltage 2500V, max. test resistance 40GΩ, short-circuit current  $\geq 1\text{mA}$ .
2. Insulation resistance value, test time, and output voltage are displayed on the same screen.
3. Exquisite structure, high accuracy, simple and reliable operation, and easy to carry.
4. The insulation resistance and digital multimeter are separated from each other and do not affect each other during testing.

## Technical Specification

Model	EM3430A	EM3430B
<b>Rated Voltage</b>	250V; 500V; 1000V	500V; 1000V; 2500V
<b>Output Voltage Accuracy</b>	$\pm 10\%$	$\pm 10\%$
<b>Insulation Resistance Range</b>	1MΩ~40GΩ	2.5MΩ~50GΩ
<b>Insulation Resistance Accuracy</b>	$\pm(3\%rdg+5dgt)$	$\pm(3\%rdg+5dgt)$
<b>Short Circuit Current</b>	$\geq 1\text{mA}$	
<b>DC Voltage</b>	400mV/4V/40V/400V/1000V	$\pm(0.5\%rdg+5dgt)$
<b>AC Voltage</b>	4V/40V/400V/700V	$\pm(0.8\%rdg+5dgt)$
<b>DC Current</b>	40mA/400mA	$\pm(0.8\%rdg+5dgt)$
<b>AC Current</b>	40mA/400mA	$\pm(1\%rdg+5dgt)$
<b>Resistance</b>	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ	$\pm(0.8\%rdg+5dgt)$
<b>Capacitance</b>	4nF/40nF/400nF/4uF/40uF/400uF/4mF/40mF	$\pm(3\%rdg+20dgt)$
<b>Frequency</b>	40Hz/400Hz/4kHz/40kHz/400kHz/4MHz/20MHz	$\pm(0.5\%rdg+3dgt)$
<b>Power Supply</b>	DC9V Alkaline dry battery(LR6 1.5VX6PCS)	
<b>Display Mode</b>	4-digital LCD display, Max. display: 3999	
<b>Tester Dimension</b>	170mm(L)X156mm(W)X64mm(H)	
<b>Weight</b>	Approx. 0.9kg(include accessories)	
<b>Data Hold</b>	HOLD button to freeze the data	
<b>Insulation Measurement Time</b>	1/2/10 minutes	
<b>Battery Voltage</b>	Battery low voltage symbol display, and remind to replace battery	
<b>Automatic Shutdown</b>	15 minutes without any operation after starting up, the tester will shutdown automatically	
<b>Power Consumption</b>	Max. power consumption: 4.5W, Min.power consumption: 18mW, Hibernate power consumption: <100uW	
<b>Working Environment</b>	0°C~40°C; Below 75%RH	
<b>Accessories</b>	Tester: 1PCS; High voltage test probe: 2PCS red; Pen probe test line: 1PCS black; Alligator clip: 3PCS(red 2PCS/black 1PCS); Tool bag: 1PCS; LR14 battery: 6PCS	