



EK-C343A/C343B Insulation Resistance Multimeter

Product Features

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 Function

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	EK-C343A	EK-C343B
		
Rated Voltage	250V; 500V; 1000V	500V; 1000V; 2500V
Output Voltage Accuracy	$\pm 10\%$	$\pm 10\%$
Insulation Resistance Range	1MΩ~40GΩ	2.5MΩ~40GΩ
Insulation Resistance Accuracy	$\pm(3\%\text{rdg}+5\text{dgt})$	$\pm(3\%\text{rdg}+5\text{dgt})$
Short Circuit Current	$\geq 1\text{mA}$	
DC Voltage	400mV/4V/40V/400V/1000V	$\pm(0.5\%\text{rdg}+5\text{dgt})$
AC Voltage	4V/40V/400V/700V	$\pm(0.8\%\text{rdg}+5\text{dgt})$
DC Current	40mA/400mA	$\pm(0.8\%\text{rdg}+5\text{dgt})$
AC Current	40mA/400mA	$\pm(1\%\text{rdg}+5\text{dgt})$
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ	$\pm(0.8\%\text{rdg}+5\text{dgt})$
Capacitance	4nF/40nF/400nF/4uF/40uF/400uF/4mF/40mF	$\pm(3\%\text{rdg}+20\text{dgt})$
Frequency	40Hz/400Hz/4kHz/40kHz/400kHz/4MHz/20MHz	$\pm(0.5\%\text{rdg}+3\text{dgt})$
Power Supply	DC9V Alkaline dry battery(LR6 1.5VX6PCS)	
Display Screen	4-digital LCD display, Max. display: 3999	
Data Hold	HOLD button to freeze the data	
Insulation Measurement Time	1/2/10 minutes	
Battery Voltage	Battery low voltage symbol display, and remind to replace battery	
Automatic Shutdown	15 minutes without any operation after starting up, the tester will shut down automatically	
Power Consumption	Max. power consumption: 4.5W, Min.power consumption: 18mW, Hibernate power consumption: <100uW	
Operating Temperature & Humidity	0℃~40℃; Below 75%RH	
Meter Dimensions	170mm(L)X156mm(W)X64mm(H)	
Meter Weight	Approx. 1kg(include accessories)	
Accessories	Tester: 1PCS; High voltage test probe: 2PCS red; Pen probe test line: 1PCS black; Alligator clip: 3PCS(red 2PCS/black 1PCS); Tool bag: 1PCS; LR6 battery: 6PCS	

