



EK-F598 Digital Megohmmeter(Multimeter)



Product Function

Suitable for measuring the insulation resistance of various electrical equipment such as transformer, motor, power cable, switch, electrical appliances, etc., and insulating materials, and for maintenance, repair, testing and verification of various electrical equipment.

Product Features

1. The measurement time can be customized setting, and the measurement results will be automatically hold after the measurement finish.
2. With the backlight and reading hold function which is convenient for users to read the measured value in dark place.
3. The meter has the measurement function for AC and DC voltage, resistance, capacitance, frequency, diode and continuity, etc.

Technical Specification

Insulation Resistance Measurement	Rated voltage: 50V, 100V, 250V, 500V, 1000V	
	Measure range: 0.05M Ω ~20G Ω	
	Max Accuracy: $\pm(5\%+5)$	
Voltage Measurement	Range: DC 6V, 60V, 600V	$\pm(0.5\%+5)$
	Range: AC 6V, 60V, 600V	$\pm(1.2\%+5)$
Resistance Measurement	Range: 600 Ω , 60k Ω , 600k Ω , 6M Ω , 60M Ω	$\pm(0.8\%+5)$
Capacitance Measurement	Range: 10nF, 100nF, 1mF, 10mF, 100mF	$\pm(3\%+20)$
Power Supply	DC 7.4V, 14500 lithium battery (3.7V $\times$ 2)	
Display Screen	4-digit LCD display, max. display: 1999, display area: 62mm $\times$ 32mm	
Backlight	Yes	
DC Voltage	Range: 6V/60V/600V, Accuracy: $\pm(0.5\%+5)$	
AC Voltage	Range: 6V/60V/600V, Accuracy: $\pm(1.2\%+5)$	
Short Circuit Current	$\geq 1\text{mA}$	
Frequency Range	40Hz~1kHz	
Data Hold	Yes	
Continuity Test	Yes	
Sampling Rate	2 times/s	
Auto Power Off	Automatic shutdown after startup 15 minutes without any operation	
Overflow Display	Over range overflow function: the highest digit displays "OL"	
Overload Protection	Yes	
Input Impedance	Approx. 10M Ω	
Battery Low Indication	Battery symbol  displayed when low battery, reminding to replace the battery	
Line Voltage	Circuit line testing below AC 600V	
Meter Dimensions	189mm $\times$ 89mm $\times$ 55mm	
Meter Weight	Approx. 0.8kg (including accessories)	
Operating Temperature & Humidity	0 $^{\circ}\text{C}$ ~40 $^{\circ}\text{C}$; below 75%RH	
Storage Temperature & Humidity	-10 $^{\circ}\text{C}$ ~50 $^{\circ}\text{C}$; below 80%RH	
Accessories	Meter: 1pc; Red pen probe test line: 2pcs; Black pen probe test line: 1pc; Red alligator clip: 2pcs; Black alligator clip: 1pc; Lithium battery: 2pcs; Charge adapter: 1pc; Tool bag: 1pc	

