



EK-G643 Clamp Multimeter

Product Function

Used for measuring AC/DC current, AC/DC voltage, resistance, capacitance, diode, continuity, frequency, duty cycle, temperature, NCV, Live wire detection, as well as MAX, MIN, HOLD, INRUSH, VFD, flashlight, auto power off, full range overload protection, low battery indication and other functions.

Product Features

1. Equipped with low impedance (LoZ) AC/DC voltage auto-identification function, with True RMS measurement.
2. The perfect combination of clamp meter and multimeter, adopting a high-performance new MCU processor, portable and an ideal tool for electrical measurement.
3. Current range AC/DC: 1000A, jaw opening: $\Phi 30\text{mm}$, precise temperature measurement function from -50°C to 1000°C .

Technical Specification

Display Screen	5999-count LCD; 40mm×38mm; Display area: 37mm×35mm
Display	True RMS
Sampling Rate	Approx. 3 times/sec
Auto Range	√
DC Voltage	Range: 600mV/6V/60V/600V/1000V $\pm(1.0\%+5)$
AC Voltage	Range: 6V/60V/600V/1000V $\pm(1.2\%+5)$
AUTO-V LoZ DC Voltage	Range: 6V/60V/600V/1000V $\pm(1.0\%+5)$
AUTO-V LoZ AC Voltage	Range: 6V/60V/600V/1000V $\pm(1.2\%+5)$
DC Current	Range: 6A/60A/600A/1000A $\pm(2.0\%+5)$
AC Current	Range: 6A/60A/600A/1000A $\pm(2.0\%+5)$
Resistance	Range: 600 Ω /6k Ω /60k Ω /600k Ω /6M Ω /60M Ω $\pm(1.2\%+3)$
Capacitance	Range: 600nF/6 μ F/60 μ F/600 μ F/6mF/60mF $\pm(3\%+20)$ (Note: inconsistent unit usage " μ F" vs " uF " in original;
Temperature	Range: $-20^{\circ}\text{C} \sim 1000^{\circ}\text{C}$ $\pm(1\%+4)$
Overload Protection	√
Auto Power Off	Automatically enters sleep mode after 15 minutes of power-on
Backlight Auto Off Time	Approx. 3 minutes
Flashlight Auto Off Time	Approx. 5 minutes
Diode Test	√
NCV (Live Wire) Detection	√
Continuity Buzzer	√
Low Battery Indication	√
Input Impedance	Approx. 10M Ω
Data Hold	√
Jaw Opening	Max. measurable conductor diameter $\Phi 30\text{mm}$
Power Supply	2×1.5V AAA batteries
Meter Weight	Approx. 465g (with accessories)
Meter Dimensions	222mm×75mm×37mm
Accessories	Clamp meter: 1pc; Test leads: 1 set; Thermocouple: 1pc; 1.5V Battery: 2pcs; Tool bag: 1pc

