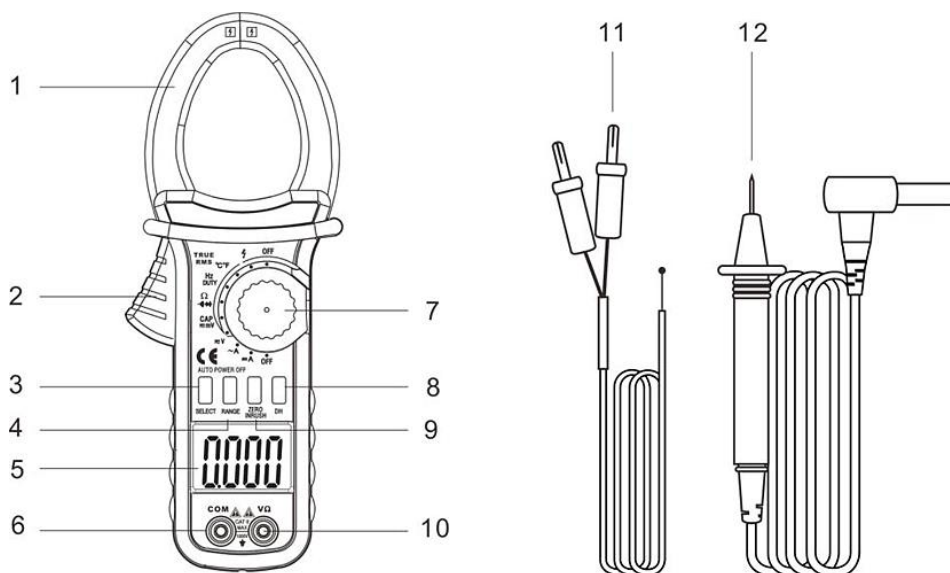**ETCR6450 Clamp Multimeter** is a new generation of practical electrical measurement instrument with excellent performance which carefully developed by our company. The instrument adopts the high performance new type MCU processor, and with the extremely high cost-effective, it also has the high reliability, high safety, automatic measuring range, the hand-held clamp meter and so on characteristic .Has a large screen digital, full range overload protection, data hold, undervoltage indication, automatic shutdown function, true RMS measurement can accurately measure frequency voltage, non sinusoidal voltage, and the surge current can measure the surge current RMS for measurement cycle is 80ms, and equipped with accurate measuring - 50 ~ 1000℃temperature measurement function, and this instrument is very suitable for variable frequency power supply, air conditioning and refrigerator and others refrigeration equipment, and motor performance testing, etc., DC40A, 400A, 1000A DC current range function is widely used in electroplating, dc welding machine, auto detection and all kinds of DC current measurement occasions which over 500mA.

1. Clamp
2. Trigger
3. SELECTfunction selection key(Press this key continuously to loop through all functions of gear.)
4 RANGE manual range key: When need to fixed one of measurement range, can use the manual range function
5. Display LCD
6. "COM" commond input terminal(input grouding)

7.Rotary switch: use for selecting current, voltage, resistance, capacitance, temperature, frequency, forward voltage drop for diode and on-off test function.

8. DH reading hold key: press this key can lock present reading value, and display "DH"symbol in the same time, press this key again to cancel the hold function, and the "DH" symbol disappear.

9.ZERO DC current gear display zero clearing key: When the DC current range is not measured but the number is not zero, press this key to zero and then measurement. INRUSH surge voltage and current key: in AC gear , press the key to measure surge value, and display "INR" symbol at the same time, the surge mode can measure the minimum cycle is 80 ms of the surge current or voltage RMS, enter the surge mode, the instrument automatically enter into manual measurement range, when cannot evaluate the measured value, please press the RANGE key and select the largest range and then make the surge measurement.Press this key again to cancel the surge measurement function, and the "INR" symbol disappears.

10. "VW" voltage-resistance-frequency-temperature-capacitance-diode input plug.

11.Temperature transducerX1PCS

12. ProbeX2PCS

Specification

Basic function		
DC Voltage	400m/4/40/400/1000V	±（0.8%+2）
AC Voltage	400m/4/40/400/700V	±（1.2%+5）
DC Current	10A/400A/1000A	±（2%+5）
AC Current	40A/400A/1000A	±（2%+5）
Resistance	400/4k/40k/400k/4M/40MΩ	±（1%+3）
Capacitance	10n/100n/1u/10u/100uF/1000uF/10mF	±（3%+5）
Frequency	10/100/1k/10k/100k/1M/10m/40MHz	±（0.5%+3）
Temperature	-50°C～1000°C	±（1%+5）
Special function		
Auto Range	√	
ManualRange	√	
AC ConversionType	True RMS	
InputProtection	√	
Auto Shutdown	about 10 minutes, can be setand cancel auto shutdown function	
Diode Test	Can measure the LED work voltage below 3V	
Duty Ratio Measurement	√	
Voltage Frequency Measurement	√	
NCV（Live line）Measurement	√	
Short Circuit Buzzer	√	
LowVoltageIndicator	√	
Input Impedance	about10MΩ	
Data Hold	√	
Surge Signal Measurement	√	

CT Size	Φ52mm
<mark>General features</mark>	
Power Supply	6F22 9VX1
Meter Weight	360g（with battery）
Meter Dimension	249X89X38mm
Accessories	Tester:1pcs；Pen probe：1set；Temperature sensor：1set；Meter Bag:1pcs

Application

Model	CT	DC Voltage	AC Voltage	DC Current	AC Current	Resistance
ETCR6420	Φ27mm	0mV-600V	0V-600V	/	0A-600A	0Ω-40MΩ
ETCR6450	Φ52mm	0mV-1000V	0mV-700V	0A-1000A	0A-1000A	0Ω-40MΩ
ETCR6470	Φ55mm	0V - 2000V	0V - 2000V	/	0A-2000A	0Ω-20MΩ

Relate Model

Package	Outer Package	Carton
	Inner Package	Cloth bag
Accessory	Meter	1 PCS
	Pen probe	1 PCS
	Temperature sensor	1 PCS
	Manual	1 PCS
	Certification	1 PCS
	Warranty Card	1 PCS