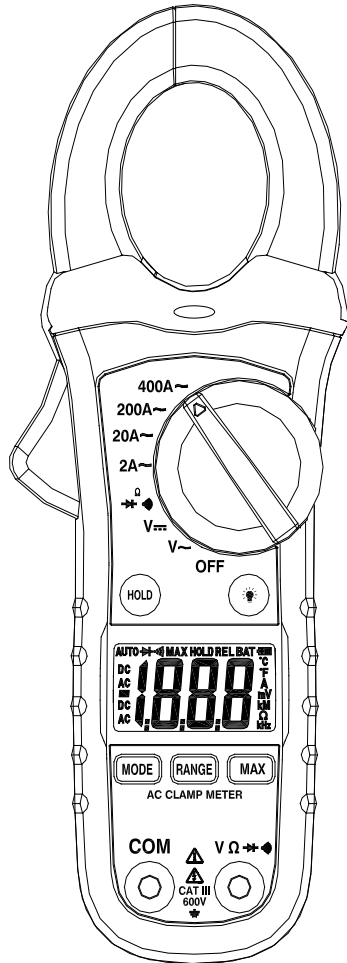





OPERATING INSTRUCTION

AC CLAMP METER



Safety

International Safety Symbols

-  This symbol, adjacent to another symbol or terminal, indicates the user must refer to the manual for further information.
-  This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present
-  Double insulation

SAFETY NOTES

- Do not exceed the maximum allowable input range of any function
- Do not apply voltage to meter when resistance function is selected.
- Set the function switch OFF when the meter is not in use.

WARNINGS

- Set function switch to the appropriate position before measuring.
- When measuring volts do not switch to current/resistance modes.
- When changing ranges using the selector switch always disconnect the test leads from the circuit under test.
- Do not exceed the maximum rated input limits.

CAUTIONS

Improper use of this meter can cause damage, shock, injury or death. Read and understand this user manual before operating the meter.

Always remove the test leads before replacing the battery.

Inspect the condition of the test leads and the meter itself for any damage before operating the meter. Repair or replace any damage before use.

Use great care when making measurements if the voltages are greater than 25VAC rms or 35VDC. These voltages are considered a shock hazard.

Remove the battery if the meter is to be stored for long periods.

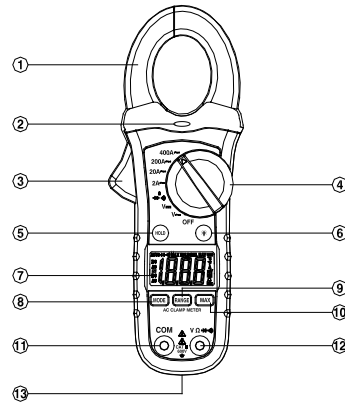
Always discharge capacitors and remove power from the device under test before performing Diode, Resistance or Continuity tests.

- Voltage checks on electrical outlets can be difficult and misleading because of the uncertainty of connection to the recessed electrical contacts. Other means should be used to ensure that the terminals are not "live".
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

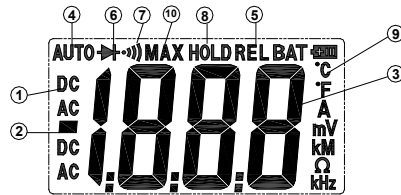
Input Limits	
Function	Maximum Input
A AC	400A
V DC, V AC	600V DC/AC
Resistance, Diode, Continuity ,	250V DC/AC

Meter Description

1. Current clamp
2. Non-contact AC voltage indicator light
3. Clamp trigger
4. Rotary Function switch
5. Data Hold button
6. Back light button
7. LCD display
8. MODE select button
9. Range button
10. MAX hold button
11. COM input jack
12. V Ω CAP TEMP Hz jack
13. Battery Cover



1. **AC DC** AC (alternating current) and DC (direct current)
2. **—** Minus sign
3. **8.8.8.8** 2000 count (0 to 1999) measurement reading
4. **AUTO** AutoRange mode
5. **REL** Relative mode
6. **▶|** Diode test mode
7. **•)))** Audible Continuity
8. **HOLD** Data Hold mode
9. **°C, °F, μ, m, V, A, K, M, Ω**, Units of measure list
10. **MAX** MAX hold mode



Resistance	200.0 Ω	± (1.0% + 4 digits)
	2.000K Ω	± (1.5% + 2 digits)
	20.00K Ω	
	200.0K Ω	
	2.000M Ω	
	20.00M Ω	± (2.5% + 3 digits)
		± (3.5% + 5 digits)

Clamp size

Opening 1.2" (30mm) approx

Diode Test typical.

Test current of 0.3mA typical; Open circuit voltage 1.5V DC

Continuity Check

Threshold <150Ω; Test current < 0.5mA

Low Battery Indication

"" is displayed

Overrange Indication

"OL" is displayed

Measurements Rate

2 per second, nominal

Input Impedance

10MΩ (VDC and VAC)

Display

2000 counts LCD

AC Current

50-60Hz (AAC)

AC Voltage bandwidth

50-60Hz (VAC)

Operating Temperature

41 to 104°F (5 to 40°C)

Storage Temperature

-4 to 140°F (-20 to 60°C)

Operating Humidity

Max 80% up to 87°F (31°C) decreasing linearly to 50% at

Storage Humidity

<80%

Operating Altitude

7000ft. (2000meters) maximum.

Over voltage

Category III 600V

Battery

One 9V Battery

Auto OFF

approx. 15 minutes

Dimensions/Weight

197x70x40mm/183g

Safety

For indoor use and in accordance with Overvoltage Category II, Pollution Degree 2. Category II includes local level, appliance, portable equipment, etc., with transient overvoltages less than Overvoltage Cat. III

Specifications

Function	Range & Resolution	Accuracy (% of reading)
AC Current (50/60Hz)	2.000AAC	± (2.5 % + 10 digits)
	20.00AAC	± (2.5 % + 4 digits)
	200.0AAC	± (2.5 % + 4 digits)
	400.0 AAC	± (3 % + 4 digits)
DC Voltage	200.0 mVDC	± (0.8% + 2 digits)
	2.000 VDC	± (1.5% + 2digits)
	20.00 VDC	
	200.0 VDC	
600.0 VDC	± (2 % + 2 digits)	
AC Voltage	200.0 mVAC	± (1.5% + 35 digits)
	2.000 VAC	± (1.8% + 8 digits)
	20.00 VAC	
	200.0 VAC	
600.0 VAC	± (2.5% + 8 digits)	

