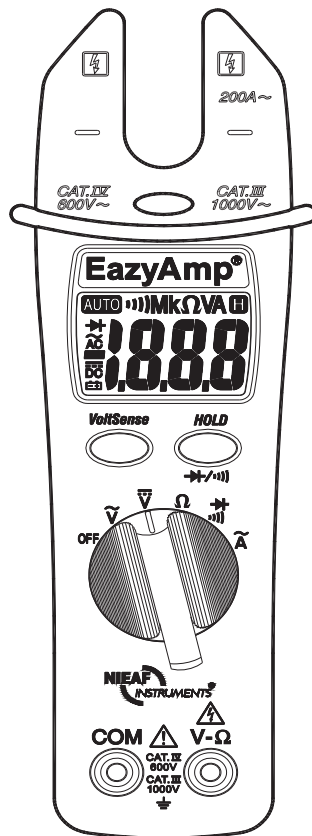




## EazyAmp Clampmeter











### **⚠ Safety Information**

To ensure safe operation and service of the Meter, follow these instructions.  
Failure to observe warnings can result in severe **injury** or **death**.

- Avoid working alone so assistance can be rendered.
- Do not use test leads or the Clamp Meter if they look damaged.
- Do not use the Meter if the Clamp Meter is not operating properly or if it is wet.
- Use the Clamp Meter only as specified in the Instruction card or the protection by the Clamp Meter might be impaired.
- Individual protective device must be used if hazardous live parts in the installation where the measurement is to be carried out could be accessible.

### **Symbols as marked on the Tester and manual**

	Risk of electric shock
	See instruction card
	Equipment protected by double or reinforced insulation
	Battery
	Earth
	Conforms to EU directives
	Application around and removal from hazardous live conductors is permitted
	Do not discard this product or throw away

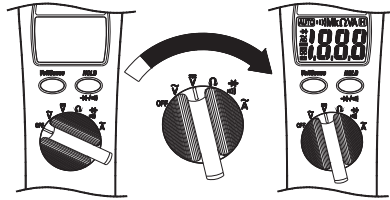
### **Maintenance**

Do not attempt to repair this Clamp Meter.  
It contains no user-serviceable parts.  
Repair or serving should only be performed by qualified personal.

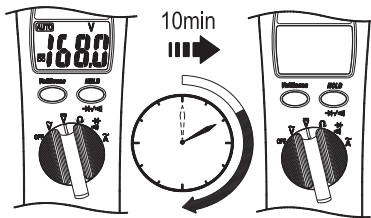
### **Cleaning**

Periodically wipe the case with a dry cloth and detergent do not use abrasives or solvents.

### Power On / Off

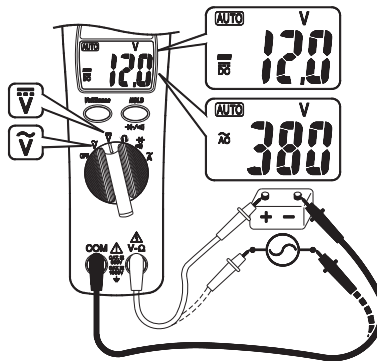


### Auto Power Off

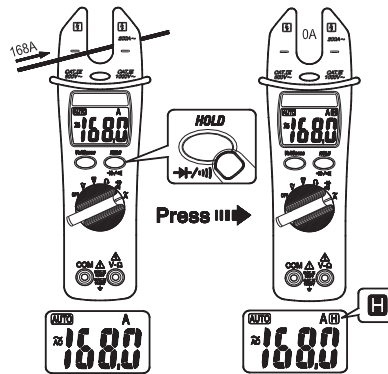


The meter will automatically shut itself off after approximately 10 minutes after power on.

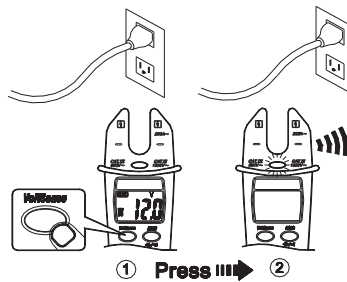
### AC V / DC V



## Data Hold

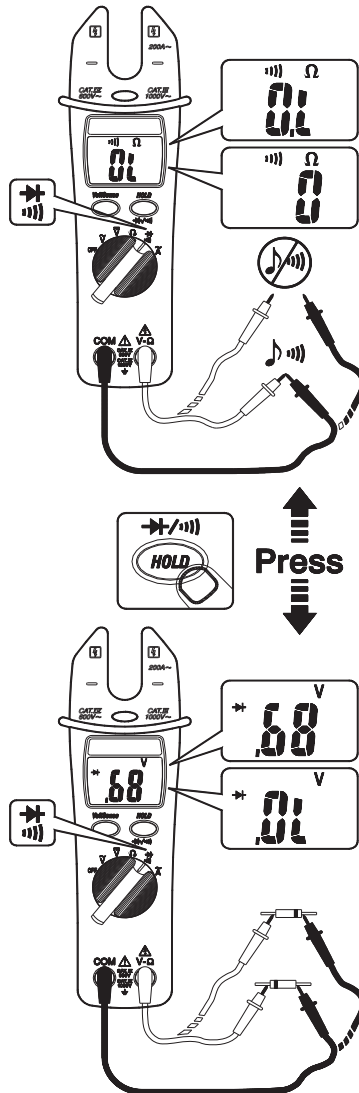


## VoltSense™

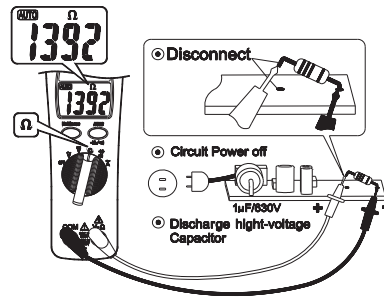


1. VoltSense™ switch will be activated on any function or at OFF status.
2. Test leads are not used for the VoltSense test.
3. Press the VoltSense™ button. The display goes black, a tone sounds and the red LED next to the VoltSense™ button on the front panel lights. Up to verify that the instrument is operational while pressing the button hold.
4. If a voltage in the range of 50 to 1000V (50~500Hz) ac is present, a tone sounds and the red LED next to the VoltSense™ button on the front panel lights up.

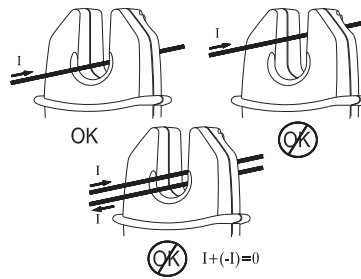
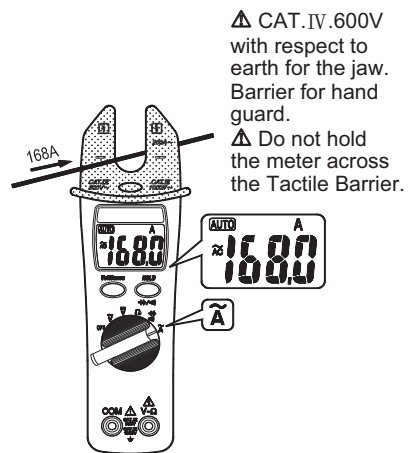
### Diode / Continuity



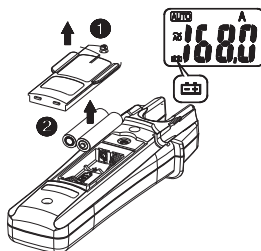
## Resistance



## ACA



## Battery Replacement



## Specifications

### 1-1 General Specifications

**LCD display digits :**

3 1/2 digit large scale LCD readout.

**Display count :** 2000 counts.

**Measuring rate :** 1.5 times / sec.

**Overrange display :**

“OL” is displayed for “ $\Omega$ ” functions, shows the real value for “A” and “V” function.

**Automatic power off time :**

Approximately 10 minutes after power on.

**Low battery indicator :** < is displayed.

**Power requirement :** 1.5V x 2 batteries

**Battery life :** ALKALINE 250 hours.

### 1-2 Environmental Conditions

**Indoor Use.**

**Calibration :** One year calibration cycle.

**Operating temperature :**

0°C ~ 30°C ( $\leq$ 80% RH)

30°C ~ 40°C ( $\leq$ 75% RH)

40°C ~ 50°C ( $\leq$ 45% RH)

**Storage temperature :**

-20 to +60°C, 0 to 80% RH (batteries not fitted).

**Dimensions (W x H x D) :**

54mm x 193mm x 31mm

**Weight :** 280g including battery.

**Accessories :** Battery (installed), and User manual.

**Overvoltage category :**

IEC 61010-1 1000V CAT.III.

600V CAT.IV.

**CAT                    Application field**

<b>I</b>	The circuits not connected to mains.
<b>II</b>	The circuits directly connected to Low-voltage installation.
<b>III</b>	The building installation.
<b>IV</b>	The source of the Low-voltage installation.

**Operating altitude :** 2000m (6562 ft)

**Conductor Size :** 16mm diameter.

**Pollution degree :** 2

**EMC :** EN 61326-1

**Shock vibration :**

Sinusoidal vibration per MIL-T-28800E  
(5 ~ 55 Hz, 3g maximum).

**Drop Protection :**

4 feet drop to hardwood on concrete floor.

**1-3 Electrical Specifications**

Accuracy is  $\pm$ (% reading + number of digits) at 23°C  $\pm$  5°C < 80%RH.

**Temperature coefficient :**

Add 0.2 x (Specified accuracy) / °C, < 18°C,  
> 28°C .

**DC / AC Volts**

<b>Range</b>	<b>DC Accuracy</b>	<b>AC Accuracy</b>
200.0V	$\pm$ (1.0% + 2dgt)	$\pm$ (1.5% + 5dgt) 50Hz ~ 500Hz
1000V		

**Over voltage protection :**

1000V AC/DC

**Input Impedance :**

2 M $\Omega$  // less than 100pF.

**CMRR / NMRR :**

**(Common Mode Rejection Ratio)**

**(Normal Mode Rejection Ratio)**

V<sub>AC</sub> : CMRR > 60dB at DC, 50Hz / 60Hz

V<sub>DC</sub> : CMRR > 100dB at DC, 50Hz / 60Hz

NMRR > 50dB at DC, 50Hz / 60Hz



**AC Conversion Type :**  
Average sensing rms indication.

**AC Current**

Function	Range	Accuracy
A% (50~60Hz)	0.0 ~ 200.0A	±(3.0% + 3 dgt)

**Overload protection :** 400 Arms

**AC Conversion Type :**  
Average sensing rms indication.

\* **Adjacent conductor influence :**  
<0.08 A/A

**Resistance**

Range	Accuracy
200.0 Ω	±(1.0% + 5 dgt) *2
2.000 KΩ	±(1.0% + 2 dgt)
20.00 KΩ	
200.0 KΩ	
2.000MΩ	±(1.9% + 5 dgt) *1
20.00 MΩ	

**Overload protection :** 600Vrms

**Open circuit Voltage :**

-1.3V approx.

\* 1 < 100 dgt rolling.

\* 2 < 10 dgt rolling.

**Diode Check and Continuity**

Resolution	Accuracy
1 mV	±(1.5%+0.05 V)*

\* For 0.4V ~ 0.8V

**Max. Test Current :** 1.5mA

**Max. Open Circuit Voltage :** 3V

**Overload Protection :** 600Vrms

**Continuity :** Internal beeper

activates if the resistance of the circuit under test is less than 50Ω. It will then turn off if the resistance is increased beyond 250Ω.

Response time is approximately 0.25~1 sec.



## **Warranty**

Nieaf Instruments are subject to strict quality control. However, should the instrument function improperly during normal use, you are protected by our 12 months warranty. We will repair or replace free of charge any defects in workmanship material, provided the instrument is returned unopened and unhampered with. Damage due to dropping or incorrect handling is not covered by the warranty. If the instrument shows failure following expiry of warranty, our service department can offer a repair. We reserve the right to submit technical adjustments. Modifications reserved.





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