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## Flexible AC Current Clamp meter User Manual



**Part Number: 72-14435**

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## 1. Introduction




Congratulations on your purchase of the True RMS Rerlexible AC Current Clamp meter.

The Trua RMS AC/DC Current Clamp meter features:

- Auto Power OFF
- Data Hold
- MAXIMIN
- Backm LCD display

## 2. Safety

### 2-1. 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

### 2-2. Safety Notes

Do not exceed the maximum allowable input range of any fun<:tion.

Do not use when Instrument power is off.

Remove the battery if meter is to be stored for longer than 60 days.

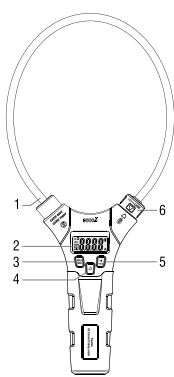
### 2-3. Cautions

- Improper use of this meter can cause damage, shock, injury or death. Read and understand this user manual before operating the meter.
- Inspect the condition of the test coil 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 25V ACRMS or 35V DC. These voltages are considered a shock hazard.
- If the equipment is used in a manner not specified by the manufacture, the protection provided by the equipment may be Impaired.
- Do not operate meter while Low Battery warning is on. Replace batteries immediately.

### 3. Description

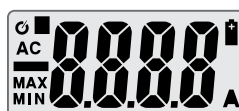
#### Malar Description

1. Flexible current coil
2. LCD display
3. MAX/MIN button
4. Power button
5. Data Hold/Backlight button
6. Turn knob



### 4. Display Icons Description

- Data Hold
- 0 to 3000 Measurement display digits
- AC** Alternating Current
- A** Amperes
- MAX** Maximum
- MIN** Minimum
- Low Battery
- Auto power off



### 5. Specifications

Function	Range	Resolution	Accuracy (% of reading + digits)
AC Current 50-400Hz True RMS	30.00A AC	0.01A	±(3.0% + 8d)
	300.0A AC	0.1A	±(3.0% + 5d)
	3000A AC	1A	±(3.0% + 5d)

Note: Accuracy Is given as ± (% of reading + counts of least significant digit) at 23°C ±5°C, with relative humidity less than 80%RH. The measured conductor is placed in the centre of the coil.

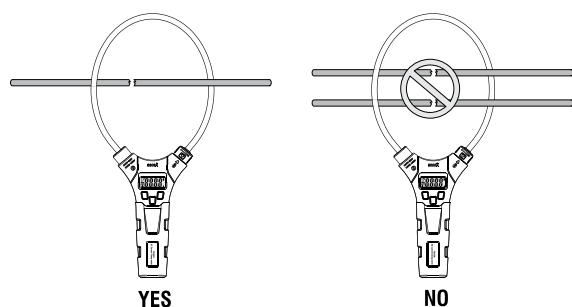
## 6. General Specifications

Display	: 3000 counts backlit LCD
Low Battery Indication	: "L" is displayed
Over-range Indication	: "OL" display
Operating Temperature	: 41°F to 104°F (5°C to 40°C)
Storage Temperature	: -4°F to 140°F (-20°C to 60°C)
Operating Humidity	: Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F (40°C)
Storage Humidity	: <80%
Operating Altitude	: 7000ft. (2000 meters) maximum.
Battery	: 1.5V "AAA" Size Battery × 2
Auto power Off	: After approx. 15 minutes
Safety Standard	: EN61010-1, EN61010-2-032, EN61326-1. Over voltage Category III 1000V and Category IV 600V, Pollution Degree 2.

## 7. Operation

### 7-1. AC Current Measurements

Open the flexible coil, loop it around the cable being measured, lock in place and power the meter on. For accurate measurements place the cable in the centre of the flexible coil. The results will then be displayed on the LCD screen.



### 7-2. Power button

Short press the power button to boot, long press the power button to shut down.

### 7-3. MAX/MIN Button

- Press the MAX/MIN button to activate the MAX/MIN mode. The "MAX" Indicator will appear on the LCD display along with the highest reading. The display will update every time a higher "MAX" occurs.
- Momentarily press the MAX/MIN button again to view the lowest reading. The "MIN" Indicator will appear on the LCD display along with the lowest reading. The display will update every time a lower reading occurs.
- Press and hold the MAX/MIN button to end MAX/MIN and return to normal operation.

### 7-4. Data Hold/Backlight Button

Press this button, the measured AC current value will be displayed on the LCD screen then press again to cancel. Keep this button pressed in to turn on the backlight, press the button again to turn off the backlight

## 7-5. Automatic Power OFF

In order to save power, the instrument without any key operation, automatic shutdown after about 15 minutes. After the shutdown to press the power button once again open the instrument

## 8. Maintenance

### 8-1. Cleaning and Storage

Periodically wipe the case with a damp cloth and mild detergent; do not use abrasives or solvents. If the meter is not to be used for 60 days or more, remove the battery and store it separately.

### 8-2. Battery Replacement

- Remove the Phillips head screw that secures the rear battery door.
- Open the battery compartment
- Replace two AAA batteries.
- Secure the battery compartment.

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