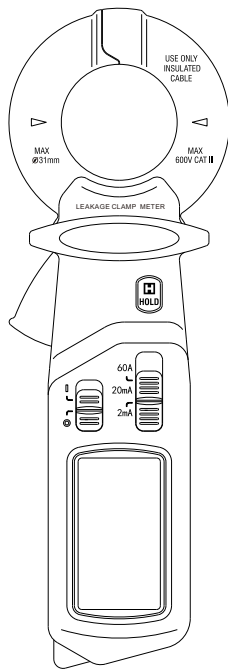


# High Sensitivity Ac Leakage Clamp Meter

## User's Manual



# High Sensitivity Ac Leakage Clamp Meter

## 1. Safety information

The clamp leaker has been designed according to IEC 1010 -1 and IEC1010 - 2 - 032 concerning safety requirements for electrical measuring instruments and current clamps with double insulation overvoltage category 600V CAT III and pollution 2.

## 2. Symbols

	Note-Important safety information, refer to the instruction manual.
	Application around and removal from UNINSULATED HAZARDOUS LIVE conductors is permitted.
	Caution, possibility of electric shock
	Earth (ground) TERMINAL
	Alternating current

**CAT III:** MEASUREMENT CATEGORY III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.

## 3. Description

This is a Clamp Leaker meter. Refer to the figure and to the following steps to familiarize you with the clamp leaker.

### 1. Transformer jaws

Pick up the AC current flowing through the conductor.

### 2. Hold Button

When this button is pushed, the display will keep the last reading and " " symbol will appear on the LCD until pushing it again.

# High Sensitivity Ac Leakage Clamp Meter

## 3. Slip Key (select range)

The key is used to select measuring range.

## 4. Slip Key ( Power ON or OFF )

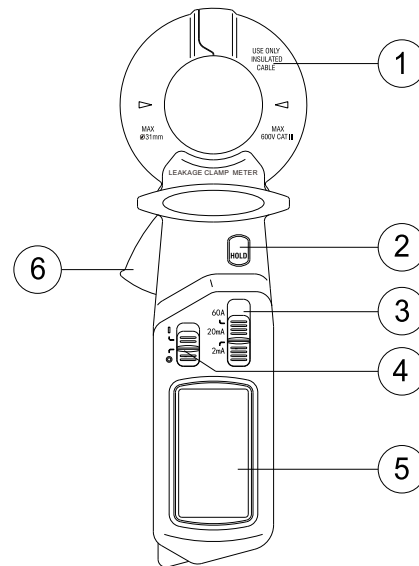
The key is used to turn the meter "1" ( ON ) or "0" ( off ).

## 5. Display

3 1/2 digit, 7 segment, 13mm high, LCD.

## 6. Trigger

Press the lever to open the transformer jaws. When the lever is released, the jaws will close again.



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### 4. Operating instructions

#### AC Current measurement

- Set the Slip key of range at desired range position.
- Set the Slip key of power at "1" ( ON ) position.
- Press the trigger to open transformer jaw and to clamp one conductor only, making sure that jaw is firmly closed around the conductor.
- Read the measure result from the display.

### 5. Specifications

Accuracy is specified for a period of one year after calibration and at 18°C to 28°C (64°F to 82°F) with relative humidity to 75%.

#### GENERAL ACCURACY:

±% of reading number of least significant digits

**DISPLAY:** LCD, 1999 counts, updates 2 - 3/ sec.

**OVERRANGE INDICATION:** " 1 " .

**LOW BATTERY INDICATION:** "  " .

**POWER:** DC 2x 1.5V AAA Batteries

**OPERATING ENVIRONMENT:** +5°C to +35°C

**STORAGE TEMPERATURE:** -10°C to +50°C

**TEMPERATURE COEFFICIENT:**

0.1×(Spec Acc'y) /°C 18°C or 28°C

**JAW OPENING CAPABILITY:** Φ31mm

**DIMENSION:** 176mm×59mm×28mm

**WEIGHT:** Approx. 150g

## High Sensitivity Ac Leakage Clamp Meter

### 5. Technical Parameters

#### AC Current

Range	Resolution	Accuracy
2mA	0.001mA	±(2.0% of reading+10 digits)
20mA	0.01mA	±(2.0% of reading+8 digits)
60A(<50A)	0.1A	±(2.0% of reading+5 digits)
60A(>50A)	1A	±(3.0% of reading+5 digits)

Frequency range: 50Hz / 60Hz.

Overload Protection:

120% ranges for 60 seconds max.


### 6. Replacing the battery

#### WARNING

To avoid electric shock, make sure that the test leads have been clearly move away from the circuit under measurement before opening the battery cover of the meter.

#### WARNING

Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.

When the electrical tester displays the "  " mark, the battery must be replaced to avoid incorrect measuring data. Use the following procedure to replacing the battery:

1. The power key is used to select "O" ( OFF ).
2. Opening the battery cover by a piece coin.
3. Remove the exhausted battery and replace with two new 1.5V AAA batteries.
4. Place battery cover and secure.

## High Sensitivity Ac Leakage Clamp Meter

### 8. Accessories

Operator's instruction manual

Battery 2 1.5V AAA

Gift box

