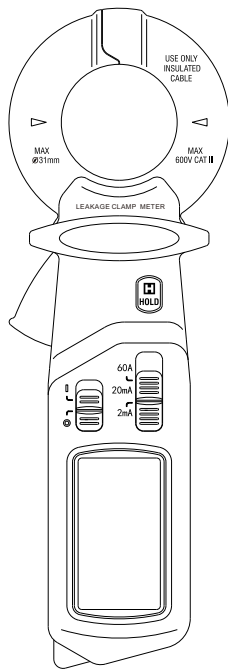


High Sensitivity Ac Leakage Clamp Meter

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)

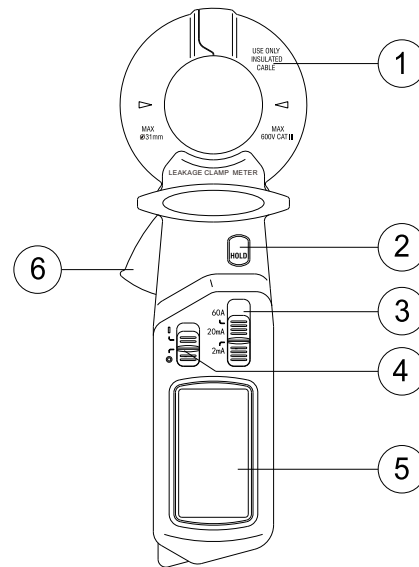
The key is used to turn the meter "1" (ON) or "0" (off).

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

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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

