1. Safety Warnings

This instrument has been designed, manufactured and tested according to IEC 61010: Safety requirements for Electrical Measuring apparatus, and delivered in the best condition after passing quality control tests. This instruction manual contains warnings and safety rules which have been prepared by the user to ensure safe operation of the instrument and to maintain it in safe condition. Therefore, read through these operating instructions before using the instrument.

WARNING

Read through and understand instructions contained in this manual before using the instrument.

Keep the manual at hand to enable quick reference whenever necessary.

Keep the instrument to be used only in its intended applications.

Understand and follow all the safety instructions contained in this manual.

It is essential that the above instructions are adhered to. Failure to follow the above instructions may cause injury and/or instrument damage.

The symbol \( \Delta \) indicates on the instrument, means that the user must refer to the related parts in the manual for safe operation of the instrument. It is essential to read the instructions whenever the symbol appears in the manual.

DANGER

It is reserved for conditions and actions that can cause serious or fatal injury.

WARNING

It is reserved for conditions and actions that can cause serious or fatal injury.

CAUTION

It is reserved for conditions and actions that can cause minor injury or instrument damage.

2. Features

- Clamp sensor for AC/DC current measurements
- Designed to meet the international safety standard IEC61010-2-032 CAT III 300V, Pollution degree 2

3. Instrument layout

4. Specification

5. Measurement

(1) Press the Power Switch to power on the instrument. The green LED lights up. (1)

(2) Connect the output terminal to the input terminal of the measuring instrument. (2)

(3) Press the trigger to open the transformer jaws, and clamp onto a conductor. (3)

(4) Confirm that the tips of the transformer jaws are surely closed. (4)

(5) Start the measurement. The measured conductor should be at the center of the jaws. (5)

(6) The measured result is displayed on the connected measuring instrument. (6)

(7) Keep the Power Switch pressed down at least 3 sec and power on the instrument to stabilize. (7)

(8) Triangle marks on the Transformer Jaws showing the center of the Jaws. (8)

6. Battery Replacement

Replace the batteries when a low battery indicator (red LED) flashes on the LCD.

(1) Press the Power Switch and power off the instrument.

(2) Loosen 1 screw at the bottom side of the instrument to remove the Battery Compartment Cover. (2)

(3) Remove the batteries with new ones. (3)

(4) Install the Battery Compartment Cover and tighten the screws. (4)

Battery Compartment Cover

Screw

7. CAUTION

Do not try to replace batteries when making a measurement to avoid electric shock hazard.

Do not mix batteries of different types or new batteries with used ones.

Make sure to install batteries in correct polarity as indicated in the battery compartment.

8. Meaning of Symbols

AC

DC

This instrument satisfies the requirement defined in the WEEE Directive. This symbol indicates separate collection for electrical and electronic equipment.

Measurement Category

C(4): Circuits which are not directly connected to the mains power supply.

CATI: Electrical circuits of equipment connected to an AC electrical outlet by a power cord.

CAT II: Primary electrical circuits of the equipment connected directly to the distribution panel, and feeders from the distribution panel to outlets.

CAT IV: The circuit from the service drop to the service entrance, and to the power meter and primary overcurrent protection device (distribution panel).

DANGER

Never make measurement on a circuit in which the electrical potential exceeds 300V in order to avoid possible shock hazard.

When the measurement when Flunker is nothing, if the instrument is in use, stop the measurement immediately and remove the instrument from the measured object.

Do not attempt to make measurement in the presence of flammable gases. Otherwise, the use of the instrument may cause sparking, which can lead to an explosion.

Do not place the instrument near heat source.

Never use the instrument in dusty places and where the instrument is likely to get wet.

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Always keep your fingers and hands behind the barrier on the measuring instrument to avoid the possible shock hazard.

Never open the battery compartment cover and the instrument to maintain it in safe condition. Therefore, read through and understand instructions contained in this manual.

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