

MEZUNG®
MEASURE WITH CONFIDENCE

**Pinza
Miliamperimétrica**

ME6600

CE



Manual de Usuario

KHALERGY E.I.R.L.

CONTENT


Precaution For Use	1
1. Introduction	2
2. Electrical Symbol	3
3. Technical Specifications	3
4. Meter Structure	6
5. LCD Display	6
6. Operate Method	7
6.1. Start-up, Shutdown	7
6.2. Measurement of Leakage Current, Current	7
6.3. Peak Hold	10
6.4. Data Hold, Cancel, Storage, Access, Clear	10
7. Function Quick Checking	11
8. Display Sample	12
9. Battery Replacement	13
10. Accessories	14

Precaution For Use

Thank you for purchasing the **High Accuracy Clamp Leakage Current Meter**, In order to better for use of the product, please be certain:

-- Read this user manual carefully.

-- Comply with the operating cautions in this manual.

- ◆ Under any circumstance, shall pay special attention on safety in using this meter.
- ◆ Pay attention to the text labeled on the panel and backplane of the meter.
- ◆ Do not place and store the meter in high temperature and humidity or dewy places and under direct sunlight for a long time.
- ◆ Battery voltage is low, please replace the battery in time.
- ◆ If you not use the meter for a long time, please take out batteries.
- ◆ Replace the battery, please pay attention to the battery polarity
- ◆ Disassembly, calibration, and repair of this tester must be performed by authorized personnel.
- ◆ Use, disassembly and maintenance of this leakage current meter shall hand by authorized personnel.
- ◆ Due to the reason of this instrument, if it is dangerous to continue using, should stopped and sealed immediately ,and handled by an authorized institution.
- ◆ The meter manual with the danger mark "", users must follow instructions to operate safely.





- ◆ The meter manual with the extremely dangerous mark " ", users must in strict follow instructions to operate safely.

1. Introduction

ME6600 High Accuracy Clamp Leakage Current Meter is specially designed and manufactured for measuring AC leakage current. The meter adopts CT technology and digital integration technology, with the characteristics of small size, high precision and fully functional. It is widely used in electric power, communication, meteorology, railway, oil field, construction, metrology, scientific research and teaching units, industrial and mining enterprises, automobile circuit maintenance and other fields. Its sensing iron core is made of permalloy, adopts multi-layer shielding technology, and has strong anti-interference ability, which ensures the high precision, high stability and high reliability in the measurement of all year round without interruption.

The meter equipped with USB interface, communication cable and monitoring software. It can real time monitoring and query history online via the computer, and display dynamically, has the maximum, the minimum and the average value indication, with the alarm value setting and the alarm indication function, has the historical data reading, saves, prints and other functions. The meter also with peak hold, data hold and data storage and other functions, convenient to use, which is an essential tool for electrical safety inspection.

2. Electrical Symbol

	Extremely dangerous! The operator must strictly follow the safety rules, otherwise there would be danger of electric shock, causing personal injury or injury accident.
	Dangerous! The operator must strictly follow the safety rules, otherwise there would be danger of electric shock, causing personal injury or injury accident.
	Warning! Operators must strictly follow safety rules , otherwise personal injury or equipment damage may occur
	Double insulation
	AC
	DC

3. Technical Specifications

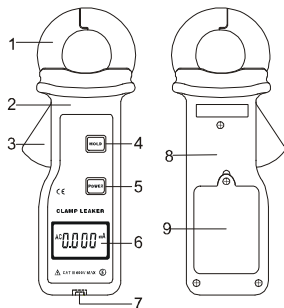
Model			ME6600
Range	0.000mA~60.00A	0.00mA~300.0A	0.0mA~600A
Resolution	1uA	10uA	0.1mA
CT Size	25mmX30mm	35mmX40mm	35mmX40mm

Meter Size	175X70X38mm	184X70X37mm	184X70X37mm
Meter Weight	210g	250g	250g
Function	Measure AC leakage current, AC current and on-line AC current		
Power Supply	DC9V Alkaline dry battery (6LR61 9V)		
Test Mode	Clamp CT, integration method		
Display Mode	4digits LCD display		
LCD Dimension	35mmX21.5mm; display area: 32mmX15mm		
Sampling Rate	about 2 times/s		
Frequency	Automatic identification 50Hz/60Hz		
Shift	Automatically		
Accuracy (23°C±3°C, below 70%RH)	0~60A	±1.5%±5dgt	
	60A~200A	±2%±5dgt	
	200A~300A	±3%±5dgt	
	300A~600A	±4%±5dgt	

Line Voltage	Line circuit measurement below AC 600V
Communication Interface	storage data can be uploaded to computer, software monitoring
Data Storage	99groups, flashing display FULL symbol indicate storage full
Peak Hold	Peak capture and hold function, long press HOLD button and not release can display peak value in measurement.
Data Hold	Data hold function: DH symbol display
Overflow display	Exceed measure range overflow function: OL symbol display
Auto Shut Down	After starting up the meter and without any operation 5minutes, the meter shuts down automatically to reduce battery consumption
Battery Voltage	While battery voltage decreases to around 7.2V, will display low battery voltage symbol“ -+ ”, and remind to replace the battery
Working Current	5mA
Working Temperature	0°C~40°C,below 80%RH
Storage Temperature	-10°C~60°C,below 70%RH
Insulating Strength	AC2KV/rms (between the core and outside shell)
Safety Standard	IEC1010-1, IEC1010-2-032, pollution, etc 2, CAT III(600V)

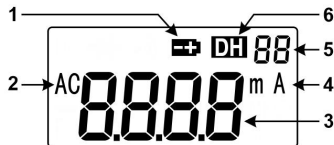
4. Meter Structure

- 4.1. Clamp (25mmx30mm)
- 4.2. Meter's up cover
- 4.3. Trigger
- 4.4. **HOLD** button
- 4.5. **POWER** button
- 4.6. LCD displayer
- 4.7. Communication Interface
- 4.8. Back cover
- 4.9. Battery cover



5. LCD Display

- 5.1. Low battery voltage indication
- 5.2. AC indication
- 5.4. Current value
- 5.5. Current unit symbol
- 5.6. Storage data number




6. Operate Method

6.1. Power On/Off

Press **POWER** button to start up, LCD display; Press the **POWER** button again to shut down. The meter start up after 5 minutes, LCD will flashes and indicate that will auto shut down, continue flashes 30s will shut down formally to reduce battery consumption. In case you press **POWER** button when LCD are flashing, the meter will continue to working 5 minutes. If LCD display is dark after start up, it might battery voltage is low, please replace battery.

6.2. Measurement of Leakage Current, Current

	High voltage, extremely dangerous! Must be operated by trained and authorized personnel. The operator must strictly follow the safety rules, otherwise there would be danger of electric shock, causing personal injury or injury accident.
	Dangerous! Cannot be used to measure current over the upper limit, otherwise there would be danger of electric shock, causing personal injury or injury accident

6.2.1. Start up the meter

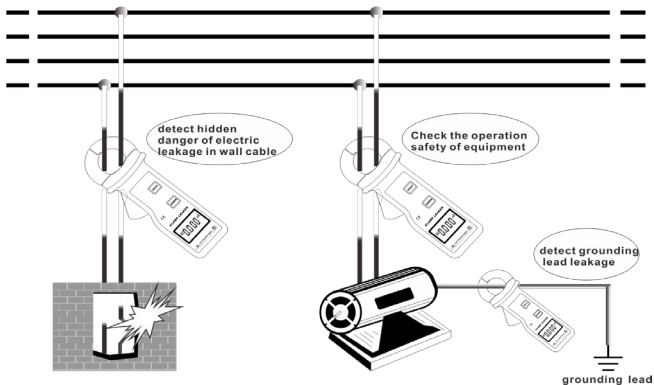
6.2.2. Press down trigger to open jaw and clamp the measured Conductors (Be attention that clamp must be totally closed)

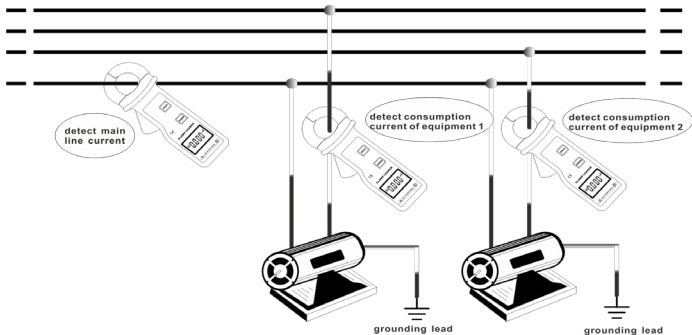


Clamp the live and null lines together to measure the leakage current of the electrical equipment. (clamp 2 lines)

Clamp grounding line of the DC circuit is to measure grounding line leakage current of electrical equipment.(Clamp single line)

Clamp main line is to measure DC current of the main line. (Clamp single line)





Attention! For the safety, when measuring large current, please remove the instrument from the tested wire after confirming that the test has been operated correctly.

6.2.3. Reading LCD display data. If display “**OL A**” symbol, it means that current of the measured line is exceeding the maximum limit of this meter; Please use the meter with higher range for testing.

6.2.4. During the current testing, the wire should be in the center of the clamp, if the tested wire is off-center position of the clamp jaw, the error may increase 1%~4%)



Where it is not easy to reading value of the field, please use the data hold function. If display the [DH] symbol, it must relieve the data hold state first and then test again.

6.3. Peak Hold

In measurement press **HOLD** button (over 3 seconds), display "**PEHd**" symbol, The meter automatically captures and displays the current peak value of the circuit in this time period, and releases the hand to return to the test state.

6.4. Data Hold, Cancel, Storage, Access, Clear

6.4.1. During testing press **HOLD** button for a short time (less than 3 seconds), **[DH]** symbol will display, the meter will hold present measuring data and automatically stored in the memory with a unit ID; press **HOLD** button again to exit the hold state, and the meter continues measuring; If stored data reached 99groups, press **HOLD** button again, the "**[FULL]**" symbol will display, indicate storage data is full; press **HOLD** button to cancel "**[FULL]**" flashing and return to measuring mode.

6.4.2. Press **HOLD+POWER** buttons to enter into data access mode and display Unit 1 storage data automatically; and then press **HOLD** button again to turn the page and access

stored data; If haven't storage data will display "null" symbol, press **POWER** button to exit data access mode.

6.4.3. After entering into data access mode, long press **HOLD** button (over 3 seconds) will clean all stored data; when the meter display "dEL" symbol, indicate that it has finished clean process, and then return to measuring state automatically.

7. Function Quick Checking

POWER button--short press	Start up/shut down/exit
HOLD button--short press	Data hold/relieve/store
HOLD button---long press exceed 3 seconds	Peak hold(in test mode)
HOLD button---long press exceed 3 seconds	Data delete(in data access mode)
HOLD button + POWER button	Data access/browse(HOLD button)

8. Display Sample

8.1.-- the tested leakage current is 0.25mA



8.2.-- low battery power, please replace the
Battery



8.3.-- the tested leakage current is 5.00mA

--- hold testing data


--- automatic store with 03 group data



8.4.-- access the 03 group data of storage



9. Battery Replacement

	Warning! The meter cannot test in the situation of the battery cover plate is not covered properly, otherwise it is dangerous
	Please pay attention to the polarity of battery, or will damage the meter.
	Low battery, please replace the battery in time
	If not use the meter for a long time, please take out batteries.

9.1. When the battery power is low, the meter display low battery voltage symbol, please replace the battery

9.2. Press **POWER** button to shut down the meter; and confirm the meter is in off state, and then open the battery cover, please attention batter model, and then replace with qualified new battery; cover battery cover plate.

10. Accessories

Meter	1 PCS
Data Software/USB communication cable	1 PCS
Package/Manual/Warranty card / Certification	1 SET
Alkaline dry battery (6LR61 9V)	1 PCS

The company is not responsible for other losses caused by use.

The contents of this user manual cannot be used as a reason to use the product for special purposes.

MEZUNG reserves the rights to change specifications or designs described in this manual without notice and without obligations.

The logo for MEZUNG, featuring the word "MEZUNG" in white, bold, uppercase letters on a red rectangular background. A registered trademark symbol (®) is located at the top right of the red box.

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