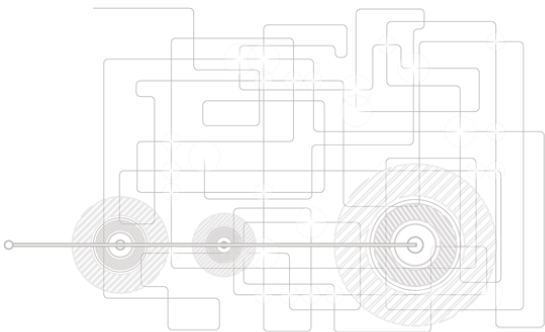


www.metro prepaid.com



METUSA-2HW
Single Phase Prepaid
Smart Meter
User Manual



1. Product Appearance



Energy meter

2. Power Purchase Process

2.1. Check Meter ID

Enter "065", and press confirm button, the 11-digit ID number will be displayed on two sides of the energy meter (such as "541400" and "00016"). This number must be the same with user ID (for the use of electricity purchase).

2.2. Purchase Power

- Visit the local power vending office to purchase power.
- Provide the operator with the ID number printed on the ID card.
- Inform the operator how much credit you want to buy and pay the bill.
- Obtain a printed 20-digit TOKEN on your receipt.



2.3. Input Token

- Input the 20-digit number of purchasing TOKEN via the keyboard.
- Confirm the entered TOKEN code on the LCD during the input process.

- If the input TOKEN is incorrect, please delete it via the backward button on the keypad.
- After the input TOKEN is correct and complete, press the confirm button to confirm.
- If the TOKEN is correct, "ACCEPT" and the recharge amount will be displayed on the LCD.
- If the TOKEN is incorrect, "REJECT" or other error information will be displayed on the LCD.

3. LCD Display Instructions

- If the TOKEN is correct, "accept" will be displayed on the LCD.
- If the TOKEN is incorrect, "reject" will be displayed on the LCD.
- If the TOKEN is expired, "old" will be displayed on the LCD.
- If the TOKEN has been used, "used" will be displayed on the LCD.
- When the electric load exceeds the set load threshold value, "over po" will be displayed, and the power will be cut off within the specified time.

4. Other Common Functions

4.1. Common Short Code Information Table

Short Code	Function Description
000	Command relay on
001	Check accumulated total active energy
006	Check accumulated purchase power credit
007	Check credit remaining
012	Check low credit alarm threshold value
013	Check load thresholds
015	Check overdraft threshold value
065	Check meter number

4.2. Check Information

When the user wants to know the basic electricity consumption related information, enter the short code on the keypad and press the confirm button, the LCD will display the corresponding user's electricity consumption related information. The specific short code corresponds to the electricity consumption information. Please refer to the *Common Short Code Information Table*.

4.3. Overdue Electricity Consumption

When the remaining credit is insufficient and it is inconvenient to recharge, emergency overdraft usage can be arranged according to the local power vending office's policies.

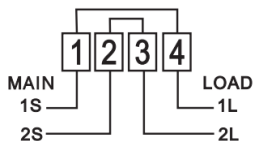
- Enter "015" + "confirmation key" on the keyboard to check the emergency credit overdraft limit. If the result is 0, emergency overdraft is not available;
- If the query result is not zero, press "000" followed by the "confirm key" on the keyboard to activate emergency credit for urgent electricity overdraft;
- The emergency overdrawn electricity available credit is subject to the "Emergency Credit Overdraft Threshold".

4.4. Manual Closing

When the energy meter trips because the electric load exceeds the set load threshold, first check the electricity consumption at home or reduce the electric load, and then enter any button and the confirm button on the keypad to manually close the switch.

5. Wiring Instructions

All terminals of the energy meter are located in the wiring terminal cover, and the user's lead seal is provided on the fixing screw of the wiring terminal cover to prevent unauthorized wiring and other settings. The wiring diagram of the meter is as follows:



6. Troubleshooting

Problem	Condition	Solution
Display Error	The LCD display is not bright or has no picture.	Contact the power supply management department for help.
	All LED lights are off.	
	The meter LCD battery warning light is always on or flashing.	
Wire Trip	The buzzer sounds, and after a period of time, the meter trips, and the low credit	Check whether the remaining credit is

	indicator light is in a red alarm state.	sufficient. If the remaining credit is insufficient, recharge in time.
	The electric relay trips and automatically closes after a short period of time; after repeated several times, the meter is in the state of switching off and will not automatically switch on within a certain period of time.	Check whether the power load is too high. Apply for load increase or turn off some electrical appliances to reduce electricity load.
	Others	Contact the power supply management department for help.
Token Failure	The token input fails, and information such as "REJECT", "OLD" and "USED" is displayed on the LCD.	Enter token again to try again;
		If you enter the token again and it is still wrong, please contact the local power vending office to deal with it.

7. Clean Meter

Use a soft cloth to clean the meter until it's clean. The meter must be cleaned regularly.

- Don't use sharp object to clean meter.
- Don't use wet cloth to clean meter.
- Don't use the liquid like alcohol to clean meter.