SINGLE/DUAL TARIFF POWER METER
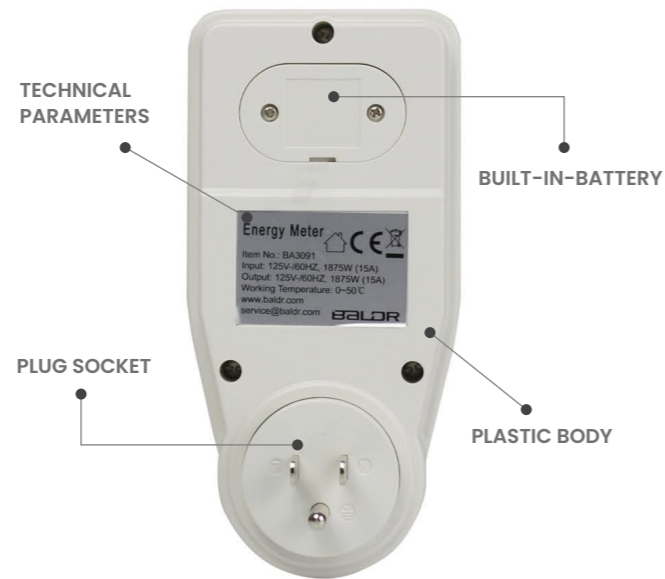
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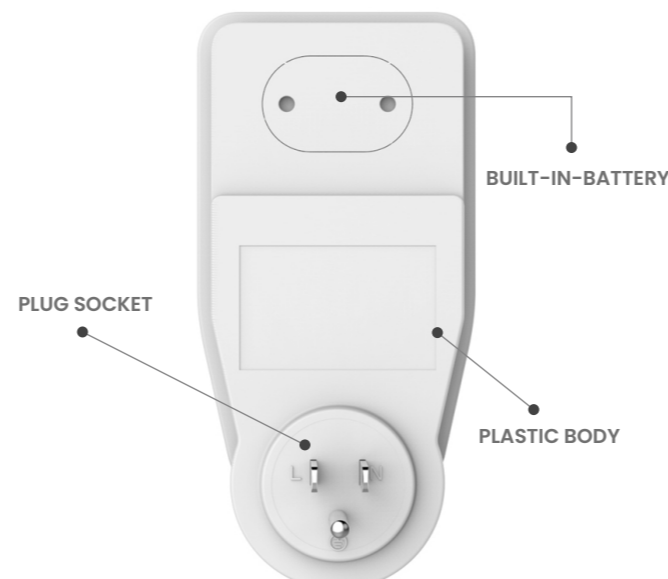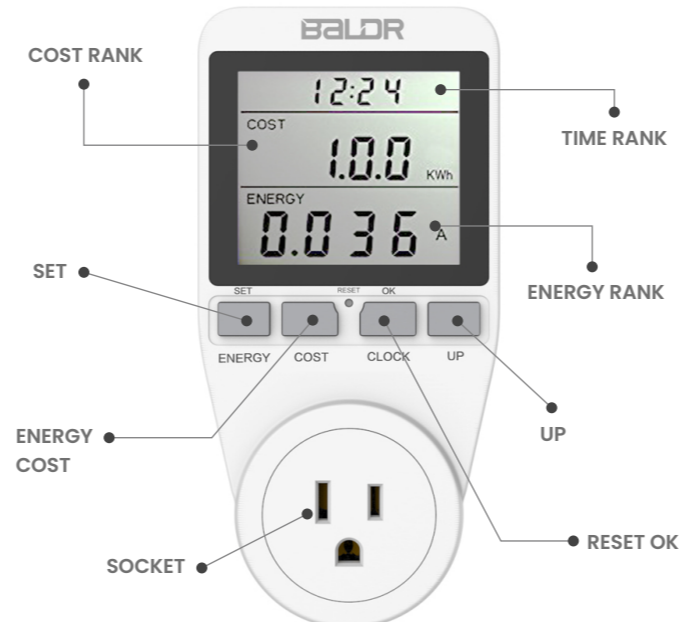
User Manual

Overview Of Single Tariff

- ENERGY RANK
- ACCUMULATIVE TIME RANK
- SET
- COST RANK
- ENERGY
- UP
- SOCKET
- COST

SET · ENERGY · COST · UP

- TECHNICAL PARAMETERS
- BUILT-IN-BATTERY
- PLUG SOCKET
- PLASTIC BODY

Energy Meter
Item No.: BA3091
Input: 125V-60HZ, 1875W (15A)
Output: 125V-/60HZ, 1875W (15A)
Working Temperature: 0~50°C
www.baldr.com
service@baldr.com

Overview Of Dual Tariff

- COST RANK
- TIME RANK
- SET
- ENERGY RANK
- ENERGY COST
- UP
- SOCKET
- RESET OK

ENERGY · COST · CLOCK · UP

- BUILT-IN-BATTERY
- PLUG SOCKET
- PLASTIC BODY

1-Year Limited Warranty

BALDR provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. Warranty service can only be performed by our authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to us, or our authorized service center. This warranty covers only actual defects within the product itself and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller, or performance variations resulting from installation-related circumstances.

The warranty covers all defects in material and workmanship with the following specified exceptions:

- damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance);
- damage occurring during shipment (claims must be presented to the carrier);
- damage to, or deterioration of any accessory or decorative surface;
- damage resulting from failure to follow instructions contained in your owner's manual.

To receive warranty service, the purchaser must contact BALDR nominated service center for the problem determination and service procedure.

THANK YOU FOR YOUR CHOICE
OF BALDR PRODUCTS!
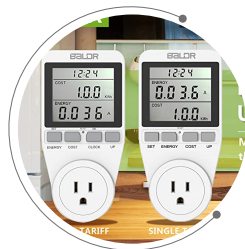
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Introduction

Many electronic devices that are left plugged in when they are not in use or on standby mode drive 20% high electricity bill. Introducing **BALDR US Electricity Power Meter (Single/Dual tariff)** to assess or figure out which appliances are driving up your power bill or high cost of energy and help you save on money. Simply connect this power meter to the electric appliances (Air conditioner, Refrigerator, Water heater, T.V, Microwave oven) and it will monitor the voltage, current, line, frequency, and power factor of your electricity usage in real-time so you will know if it's time to replace the old appliance with a new efficient one.

Two Different Type of Power Socket

1. Single Tariff: It can set one tariff at a time. It can measure the energy consumption of appliances on standby and reduce the power bill.

2. Dual Tariff: It is a smart electronic device than a single tariff power meter, it can set two different tariffs in different period. It can measure both energy and cost of household appliances which can help users reduce the power bill and carbon emissions.

Packaging Box Includes

- 1 x Plug Energy Meter
- 1 x Instruction Manual

Specifications

Manufacturer	BALDR
Item Weight	8.1 ounces
Product Dimensions	5.72 x 2.91 x 1.33 inches
Model Number	FBA_PM3091WH3
Color	White
Style	Single Tariff / Dual Tariff
Material	Plastic
Item Size	5.78"L x 2.91"W x 1.33"H
For EU&UK Plug	
Voltage	230Vac/50Hz
Max Load Current	16A
Max Load Power	3680W
For US Plug	
Voltage	125Vac/60Hz
Max Load Current	15A
Max Load Power	1875W
Working Condition Single/Dual Tariff	
Working Voltage	175-276Vac (for EU); 110-130Vac (for US)
Voltage Frequency	45-65HZ
Working Current	≤16A
Working Temperature	0-50°C

Features

- **Measure energy consumption:** It can measure the energy consumption of appliances on standby and can reduce the power bill.
- **Large LCD:** Its large display makes it easy for viewing.
- **Check electrical expenses:** It can calculate your electrical expenses or check the quality of your power by monitoring voltage, wattage, current strength, CO_2 usage, and more.
- **Overload protection:** Its overload protection can warn you when the unit is drawing more electricity than a circuit can safely handle.
- **Reset button:** Its reset button can be used to fix an abnormal display screen or non-responsive buttons.
- **Built-in battery backup:** Includes built-in battery backup to save your electricity usage readings, cost readings, and all settings during a power outage.

Display

1. First Rank:

It shows accumulative time up to 1 day, it displays 0:00 as minutes and seconds. After 60 minutes, the display will change to hours and minutes. When the accumulative time goes beyond 24 hours, the first rank will restart.

2. Second Rank:

It shows the electric parameter, press "ENERGY" button, it will take turns to show: present voltage (range:0.000~9999V)→present current (range:0.000~9999A) → present frequency (range:0.000~9999Hz)→present power factor (0.000~1.00 power factor) → overload watts (range: 0.000-9999W, the initial parameter of overload is 3680W) →present power (range:0.000~9999W).

3. Third Rank:

It shows the recorded parameter, press "COST" button, it will take turns to show: accumulative electric power (range:0.000-9999KWH)→electricity price (range:0.000-9999 COST/KWh, the default parameter of electricity price is 1.00 COST/KWh)→accumulative days (range:0.000-9999days)→accumulative volume of CO2 (range:0.00-9999kgs,1kwh electric power will emit 0.998kgCO2)→accumulative electric charge (range:0.00-9999COST).

How To Operate

1. Firstly, remove the plastic pull tab from the battery compartment cover of the power meter.

2. Secondly, put it into the power supply, the LCD screen of the power meter will show and will last for about 3 seconds.

3. Finally, connect the electric appliances (Air conditioner, Refrigerator, Water heater, T.V, Microwave oven) with the power meter.

How To Use

SINGLE TARIFF POWER METER SETTINGS

1. Display Mode Setting:

Press the "SET" button to show the 6 modes as follows:

Note: The letters "COST" which is on the upper left corner of the second rank and the letters "ENERGY" which is on the upper left corner of the third rank will always display on LCD.

- The first rank will show the accumulative time, the second rank will show the present voltage, the third rank will show the accumulative electric power.
- The first rank will show accumulative time, the second rank will show the present current, the third rank will show the electricity price.
- The first rank will show accumulative time, the second rank will show present frequency, the third rank will show the accumulative days.
- The first rank will show the accumulative time, the second rank will show the present power factor, the third rank will show the accumulative Volume of CO2.
- The first rank will show the accumulative time, the second rank will show OVERLOAD setting watts.
- The first rank will show the accumulative time, the second rank will show present power, the third rank will show the accumulative electric charge.

2. Electricity Price Setting:

Press the "COST" button for more than three seconds, it will enter into electricity price setting mode, then COST/KWh on the LCD will display, press "SET" button for selecting, then press "UP" button for setting.

Note: When finish setting, please press "COST" button for saving. If the buttons are idle for more than 10 seconds, it will automatically quit electricity price setting mode.

3. Overload Setting:

Press the "ENERGY" button for more than three seconds, it will enter into "OVERLOAD" watts setting mode, then "OVERLOAD" on the LCD will display, press "SET" button for selecting, then press "UP" button for setting. When you finish, press the "ENERGY" button for saving.

Note: Use the power meter within the max load power, 1875W (US version), when it goes beyond max load power, the display "OVERLOAD" on LCD will keep blinking for danger caution.

DUAL TARIFF POWER METER SETTING

1. Clock Setting:

Keep pressing "CLOCK" button over 3 sec, it will enter into time setting mode. To select flashing number press "SET" button, then press "UP" button for setting. When finish setting, press "OK" button. It will save your setting, and display the clock time.

• Change-Over Between Clock Time and Cumulative Time

"CLOCK" button works for a change-over between clock time and cumulative time. For example, if you press "CLOCK" button when the LCD displays clock time, it will change to cumulative time. The first rank will display the hour part, the second rank will display the day part (range:0.000-9999 days). When the LCD displays cumulative time, the other Cost Rank data will disappear.

2. Cost Setting:

Press "COST" button over 3 sec, and it will enter into electric charge setting mode, then set as follows:
- Press "UP" button to choose the symbol (money symbol); £ (pound); $ (USD); and € (euro) that you want, then press "OK" button to finish.
- Press "UP" button to choose the tariff (single tariff is "TARIFF 1" and dual tariff is "DUAL TARIFF"). Press "UP" button to choose what you want, then press "OK" button to finish.
- If you choose "DUAL TARIFF", press "SET" button to choose the twinkle number (the second rank of LCD), then press "UP" button to set the rate (range:0.000~9999COST/KWH) and press "OK" button to finish.
- When "time start" displayed on LCD, press "set" button to choose the twinkling number (first rank on LCD), then press "UP" button for setting (range of first two numbers:0-23; the range of last two numbers:0-59) and press "OK" button to finish.
- When finished with all settings, press "COST" button for saving all parameters, then it will enter into the initial LCD displayed mode.

Note: If there is an abnormal display appears or the buttons have no response, press "RESET" button for recovering.

Precautions

- Please check if the power meter, power supply, and electric appliance are in good connection.
- Please check if the cell battery in the power meter is in good working condition.
- Make sure to use it only indoor.
- Make sure to plug in the power meter at the safe distance from the hazardous place otherwise, it can cause serious injury.
- When not in use, store the power meter in a dry place, protected from sunlight.
- Do not allow children to use this device.
- Please make sure the power meter is in dry condition before use.

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