Besvic PMB05

Besvic Electricity Consumption Meter User Manual

Model: PMB05

1. Product Overview

The Besvic Electricity Consumption Meter is an essential tool for monitoring and managing your household's energy usage. This device provides detailed insights into the power consumption of connected appliances, helping you identify energy-intensive devices and reduce electricity costs. It features a clear LCD display and intuitive controls for easy operation.



This image displays two Besvic electricity consumption meters, highlighting their compact design and clear digital screens. Each meter features a European-style plug socket and control buttons below the display.

Key Features:

- **7 Monitoring Modes:** Track time, power (Watt), cost, cumulative electricity consumption (kWh), voltage, frequency, current, power factor, minimum power, maximum power, and electricity price.
- **Real-time Monitoring:** Instantly view the power consumption of connected devices.
- **Overload Protection Warning:** Alerts the user when power consumption exceeds 3680W.
- **Memory Function:** Retains data even after power disconnection due to a built-in buffer battery.
- **Large LCD Screen:** Easy-to-read display for clear data visualization.
- **Simple Operation:** User-friendly buttons for mode selection and price setting.

2. Setup

Setting up your Besvic Electricity Consumption Meter is straightforward. Follow these steps to begin monitoring your energy usage:

1. **Unpack the Device:** Carefully remove the meter from its packaging.
2. **Plug into Wall Socket:** Insert the Besvic meter directly into a standard wall power outlet. Ensure it is securely plugged in.
3. **Connect Appliance:** Plug the electrical appliance you wish to monitor into the socket on the front of the Besvic meter.
4. **Initial Display:** The meter's LCD screen will light up, displaying default or previously stored data.

3. Operating Instructions

The Besvic meter offers various modes to monitor different aspects of your electricity consumption. Familiarize yourself with the buttons and their functions:



This detailed view highlights the user-friendly interface of the Besvic meter. It features a large LCD screen for easy reading and clearly labeled buttons: 'FVNC' for adjusting monitoring modes, 'COST' for setting the electricity unit price, and 'UP'/'DOWN' buttons for price adjustment.

Button Functions:

- **FVNC (Function) Button:** Press this button repeatedly to cycle through the 7 monitoring modes.
- **COST Button:** Used to enter the electricity unit price setting mode.
- **UP Button:** Increases the value when setting the electricity unit price.
- **DOWN Button:** Decreases the value when setting the electricity unit price.
- **RESET Button:** Press and hold to clear all accumulated data and reset all parameters to default.

Monitoring Modes:



The Besvic meter offers seven distinct monitoring modes, including Time/Watt/Cost, Time/Total kWh/Day, Time/Voltage/Frequency, Time/Current/Power Factor, Time/Minimum Power, Time/Maximum Power, and Time/Unit Price. This allows for comprehensive tracking of electricity usage.

Press the **FVNC** button to switch between the following display modes:

1. **Mode 1: Time/Watt/Cost Display** - Shows current time, real-time power consumption in Watts, and accumulated cost.
2. **Mode 2: Time/Total kWh/Day Display** - Shows current time and total accumulated energy consumption in kWh per day.
3. **Mode 3: Time/Voltage/Frequency Display** - Shows current time, voltage (V), and frequency (Hz) of the power supply.
4. **Mode 4: Time/Current/Power Factor Display** - Shows current time, current (A), and power factor

(PF).

5. **Mode 5: Time/Minimum Power Display** - Shows current time and the lowest recorded power consumption.
6. **Mode 6: Time/Maximum Power Display** - Shows current time and the highest recorded power consumption.
7. **Mode 7: Time/Unit Price Display** - Shows current time and the set electricity unit price.

Setting Electricity Unit Price:

To accurately calculate costs, you need to set your local electricity unit price:

1. Press the **COST** button. The display will show the current unit price and the first digit will flash.
2. Use the **UP** and **DOWN** buttons to adjust the flashing digit.
3. Press the **COST** button again to move to the next digit.
4. Repeat until all digits of your unit price are set.
5. Press the **FVNC** button to exit the setting mode and save the price.

Overload Protection Warning:



This image illustrates the overload protection feature of the Besvic meter. When the connected appliance's power consumption exceeds 3680W, the display will flash 'OVERLOAD' to alert the user and prevent potential damage to the

device.

The meter is equipped with an overload warning feature. If the power consumption of the connected appliance exceeds 3680W, the word "OVERLOAD" will flash continuously on the display. This serves as a reminder to protect the connected device from potential damage due to excessive load.

Memory Function:

Thanks to its built-in buffer battery, the Besvic meter retains recorded energy consumption data even during a power outage. This ensures that your monitoring data is not lost, providing continuous tracking of your energy usage.

4. Maintenance

To ensure the longevity and accurate performance of your Besvic Electricity Consumption Meter, follow these maintenance guidelines:

- **Cleaning:** Wipe the meter with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.
- **Storage:** When not in use for extended periods, store the meter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Environment:** Do not expose the meter to excessive moisture or dusty environments.

5. Troubleshooting

If you encounter any issues with your Besvic Electricity Consumption Meter, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Display is blank or not turning on.	Not properly plugged in; no power from outlet.	Ensure the meter is fully inserted into a live wall socket. Test the outlet with another device.
Readings seem inaccurate.	Incorrect unit price set; device malfunction.	Verify the electricity unit price setting. Try resetting the device by holding the RESET button. If issues persist, contact support.
"OVERLOAD" warning flashing.	Connected appliance exceeds 3680W.	Unplug the high-power appliance immediately. Use the meter with appliances within its specified power limit.
Data not saving after unplugging.	Buffer battery low or faulty.	The internal buffer battery is designed for data retention. If data is consistently lost, the battery may be depleted or faulty. This is typically not user-serviceable.

6. Specifications

Detailed technical specifications for the Besvic Electricity Consumption Meter (Model PMB05):

Specification	Value
Manufacturer	BESVIC
Model Number	PMB05
Product Dimensions (L x W x H)	14 x 12.2 x 6.7 cm (5.51 x 4.80 x 2.64 inches)
Weight	350 grams (0.77 lbs)
Max Load Capacity	3680W
Monitoring Modes	7 (Time/Watt/Cost, Time/Total kWh/Day, Time/Voltage/Frequency, Time/Current/Power Factor, Time/Min Power, Time/Max Power, Time/Unit Price)
Battery Included	No (Internal buffer battery for memory function)
Batteries Required	No



A technical diagram providing precise measurements of the Besvic meter: 4.72 inches (height), 2.36 inches (width), 2.7 inches (depth including plug), 2.04 inches (body width), and 1.49 inches (plug depth). These dimensions are crucial for installation planning.

7. Warranty and Support

Information regarding product warranty and customer support for the Besvic Electricity Consumption Meter (Model PMB05) is not explicitly provided in the available data. Please refer to the product packaging or the seller's website for specific warranty terms and contact information for support.

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