

Gardner Bender PM3000

Gardner Bender PM3000 Energy Power Meter Monitor User Manual

Model: PM3000

1. INTRODUCTION

The Gardner Bender PM3000 Energy Power Meter Monitor is designed to measure and display the energy consumption of electrical appliances. It provides real-time readings for volts, amps, watts, and hertz, and calculates accumulated energy usage in kilowatt-hours (kWh), similar to utility company billing. This device assists users in monitoring appliance efficiency and understanding electricity usage to manage energy consumption effectively.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the Gardner Bender PM3000. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure the device and the appliance being tested are in good working condition before use.
- Do not exceed the maximum rated current or voltage of the device (refer to specifications).
- This device is intended for indoor use only. Do not expose to moisture or extreme temperatures.
- Keep out of reach of children.
- Do not attempt to disassemble, modify, or repair the unit. There are no user-serviceable parts inside.
- Ensure the meter is securely plugged into a properly grounded wall outlet.
- Unplug the meter from the wall outlet before cleaning.

3. PACKAGE CONTENTS

- 1 x Gardner Bender PM3000 Energy Power Meter Monitor
- 1 x User Manual (this document)

4. PRODUCT OVERVIEW

The PM3000 features an easy-to-read LCD screen for displaying various electrical measurements. It includes two control buttons: **SET/CLR** for resetting accumulated data and **DISP** for cycling through different display modes. An integrated 3-prong outlet allows for direct connection of the appliance to be monitored.



Figure 1: Front view of the Gardner Bender PM3000 Energy Power Meter Monitor.

Key Features:

- Measures Volts, Amps, Watts, and Hertz.
- Calculates energy consumption in Kilowatt-hours (kWh).
- Easy-to-read LCD screen.
- Simple two-button operation.

5. SETUP

1. **Plug in the Meter:** Insert the Gardner Bender PM3000 directly into a standard 120V AC wall outlet. Ensure it is firmly seated.
2. **Connect the Appliance:** Plug the appliance you wish to monitor into the 3-prong outlet located on the front of the PM3000 meter.
3. **Power On Appliance:** Turn on the appliance. The meter's LCD screen should illuminate and begin displaying readings.

6. OPERATING INSTRUCTIONS

Once the PM3000 is set up and an appliance is connected, you can view various electrical parameters.

Displaying Measurements:

- Press the **DISP** button repeatedly to cycle through the available measurement displays:
 - **Watts (W):** Instantaneous power consumption.
 - **Amps (A):** Current drawn by the appliance.
 - **Volts (V):** Voltage of the power supply.
 - **Hertz (Hz):** Frequency of the AC power.
 - **Kilowatt-hours (kWh):** Accumulated energy consumption over time.
 - **Run Time (HR):** Total time the appliance has been connected and drawing power.

Resetting Data:

- To clear the accumulated Kilowatt-hours (kWh) and Run Time (HR) data, press and hold the **SET/CLR** button for approximately 3-5 seconds until the display resets to zero.

7. MAINTENANCE

The Gardner Bender PM3000 requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, solvents, or immerse the unit in water.
- **Storage:** When not in use, store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the unit for any signs of damage, such as cracks in the casing or bent prongs. Do not use if damaged.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display when plugged in.	No power from the wall outlet or meter not fully inserted.	Check the wall outlet with another device. Ensure the PM3000 is fully plugged in.

Problem	Possible Cause	Solution
Appliance not receiving power.	Appliance not fully plugged into the meter, or appliance fault.	Ensure the appliance is fully plugged into the PM3000. Test the appliance by plugging it directly into a wall outlet.
Readings appear incorrect or erratic.	Loose connection or appliance malfunction.	Ensure all connections are secure. If the issue persists, the appliance may be faulty.
Buttons are unresponsive.	Temporary software glitch.	Unplug the PM3000 from the wall outlet, wait 10 seconds, then plug it back in.

9. SPECIFICATIONS

Feature	Detail
Brand	Gardner Bender
Model	PM3000
Power Source	Battery Powered (Note: Device operates when plugged into an AC outlet, internal battery likely for memory retention)
Style	Power Meter
Color	Grey
Item Weight	0.3 Pounds / 4.8 ounces
Item Dimensions (L x W x H)	2.5 x 1.5 x 5.13 inches
Specification Met	CE, UL
Measurement Type	Electrical Measurement
UPC	032076929992
Manufacturer	Gardner Bender
Included Components	Energy Power Monitor
Batteries Included?	No
Batteries Required?	No

10. WARRANTY INFORMATION

According to the product specifications, this item is sold with **No Warranty**. Please refer to your retailer's return policy for any issues with the product upon purchase.

11. SUPPORT

For further assistance or inquiries regarding the Gardner Bender PM3000 Energy Power Meter Monitor, please visit the official Gardner Bender website or contact their customer service department. You may find additional resources, FAQs, or contact information on their website:

[Gardner Bender Official Website](#)