

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [POWER PRODUCTS](#) /
- › [POWER PRODUCTS VFT Digital Readout Meter Instruction Manual](#)

POWER PRODUCTS VFT Meter

POWER PRODUCTS VFT Digital Readout Meter Instruction Manual

Model: VFT Meter

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your POWER PRODUCTS VFT Digital Readout Meter. This device is designed to monitor voltage, frequency, and total running hours for compatible generators, offering real-time performance insights.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the VFT Digital Readout Meter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure power is disconnected from the generator before installation or maintenance to prevent electrical hazards.
- Follow all local electrical codes and safety regulations during installation.
- Installation should be performed by a qualified individual if you are unsure about the process.
- Do not expose the meter to extreme temperatures, direct sunlight, or excessive moisture.
- Do not attempt to open or modify the meter. There are no user-serviceable parts inside.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x VFT Digital Readout Meter

4. SPECIFICATIONS

Technical specifications for the VFT Digital Readout Meter:

Feature	Specification
Model Number	VFT Meter
Dimensions (H x W x D)	2-7/32" x 1-9/32" x 1-5/32" (56mm x 33mm x 29mm)
Weight	2 oz (0.15 lbs)

Input Voltage	90-250VAC
Frequency Range	50-60Hz
Power Consumption	<1W
Material	Plastic
UPC	638457685534



Figure 1: VFT Digital Readout Meter with detailed dimensions for installation.

5. SETUP AND INSTALLATION

5.1 Physical Installation

The VFT Digital Readout Meter is designed for panel mounting. Ensure you have an appropriately sized opening in your generator's control panel or desired mounting location that matches the meter's dimensions (refer to Figure 1).



Figure 2: Side view of the meter, illustrating the depth and mounting clips for panel installation.

5.2 Electrical Connection

Before making any electrical connections, ensure the generator is completely shut down and disconnected from any power sources.

1. Identify the AC output terminals on your generator where you intend to monitor voltage and frequency.
2. Connect the two wires from the VFT Digital Readout Meter to the generator's AC output. The meter is designed for 90-250VAC input and operates on 50-60Hz. For AC circuits, polarity is generally not a concern, but ensure connections are secure.
3. Use appropriate connectors and ensure all wiring is properly insulated and secured to prevent accidental disconnections or short circuits.



Figure 3: Rear view of the meter showing the wiring harness for electrical connection.



Figure 4: Detailed view of the wiring connector, ensuring proper and secure attachment.

6. OPERATION

Once properly installed and connected, the VFT Digital Readout Meter will automatically power on when the generator is running and providing AC output.



Figure 5: Front view of the VFT Digital Readout Meter, showing the digital display.

6.1 Display Modes

The meter is designed to cycle through and display the following parameters:

- **Voltage (V):** Displays the current AC output voltage of the generator.
- **Frequency (F):** Displays the current AC output frequency in Hertz (Hz).
- **Run Time (T):** Displays the total accumulated operating hours of the generator.

The meter typically cycles through these readings automatically. If a 'MODE' button is present (as indicated on some models), it may allow manual cycling between displays or resetting of certain parameters (e.g., trip hours, if applicable). Refer to the specific model's functionality for button operation.

6.2 Hour Meter Function

The integrated hour meter continuously tracks the total running hours of the generator. This feature is crucial for scheduling routine maintenance based on operational time.

Important Note: Replacing the hour meter on your generator will reset the readings, as historical hours will not transfer to the new meter. It is highly recommended to record the previous total run time before replacing the unit.

7. MAINTENANCE

The VFT Digital Readout Meter is designed for durability and requires minimal maintenance.

- **Cleaning:** Keep the display clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring for secure connections and signs of wear, fraying, or damage. Address any issues promptly.
- **Environmental Protection:** Ensure the meter is protected from direct exposure to harsh weather conditions, excessive vibration, or corrosive environments if installed outdoors or in demanding settings.

8. TROUBLESHOOTING

If you encounter issues with your VFT Digital Readout Meter, refer to the following common problems and solutions:

8.1 No Display

- **Check Power:** Verify that the generator is running and producing AC power.
- **Check Connections:** Ensure the meter's power wires are securely connected to the generator's AC output and that there are no loose connections.
- **Input Voltage:** Confirm that the input voltage from the generator is within the meter's specified range (90-250VAC).

8.2 Incorrect Readings (Voltage/Frequency)

- **Wiring:** Double-check that the meter is correctly wired to the generator's output terminals.
- **Generator Output:** Verify the generator's actual output voltage and frequency using a calibrated external multimeter to compare readings.
- **Environmental Factors:** Ensure the meter is not exposed to extreme conditions that could affect its performance.

8.3 Hour Meter Not Advancing

- **Power On:** The hour meter only advances when the meter is powered on and receiving AC input from the running generator.
- **Initial Installation:** If newly installed, ensure all connections are correct and the meter is functioning otherwise.

If troubleshooting steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your POWER PRODUCTS VFT Digital Readout Meter, please refer to your purchase documentation or contact POWER PRODUCTS customer service directly.

- **Manufacturer:** POWER PRODUCTS
- **Model:** VFT Meter

Please have your product model number and purchase date available when contacting support.