

Pilipane Pilipanexf4sgbq09h-01

Pilipane 5135A High Precision Digital Panel Voltmeter User Manual

Model: Pilipanexf4sgbq09h-01 | Brand: Pilipane

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Pilipane 5135A High Precision Digital Panel Voltmeter. This device is designed for accurate voltage measurement and features a clear red LED display for easy readability. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Always ensure the power supply is disconnected before making any wiring connections to prevent electrical shock.
- Do not exceed the specified measurement range of the voltmeter.
- This device is intended for indoor use in a dry environment. Avoid exposure to moisture or extreme temperatures.
- Do not attempt to modify or disassemble the device. Refer all servicing to qualified personnel.
- Keep the device away from strong electromagnetic fields.

3. PRODUCT FEATURES

The Pilipane 5135A Digital Panel Voltmeter offers several key features:

- **High Accuracy:** Provides precise voltage readings with an accuracy of $\pm 0.3\%$.
- **Durable Construction:** Built with rugged plastic and metal for enhanced durability.

- **Clear LED Display:** Features a bright red LED display for excellent visibility of measurements.
- **Compact Design:** Designed for easy panel mounting and integration into various systems.
- **Wide Measurement Range:** Supports multiple DC voltage ranges including DC50mV, DC100mV, and DC200mV.

Our Advantages vs Others



VS



Our 5135A

- ✓ Stable Performance
- ✓ Wide Range (50/100/200mV)
- ✓ Easy Panel Install

Generic Meters

- ✗ Unstable Readings
- ✗ Limited Range
- ✗ Complex Mounting

Figure 3.1: Key features of the Pilipane 5135A Digital Voltmeter, including high accuracy ($\pm 0.3\%$), rugged plastic and metal construction, and a clear red LED display.

4. PACKAGE CONTENTS

Please verify that all items are present upon opening the package:

- 1 x Pilipane 5135A Digital Panel Voltmeter
- 1 x User Manual (this document)

5. SPECIFICATIONS

Parameter	Value
-----------	-------

Parameter	Value
Model Number	Pilipanexf4sgbq09h-01
Brand	Pilipane
Display Type	Red LED
Measurement Ranges	DC50mV, DC100mV, DC200mV
Accuracy	±0.3%
Dimensions (L x W x H)	79mm x 43mm x 24mm (3.1in x 1.7in x 0.9in)
Material	Plastic and Metal
Manufacturer	Pilipane

Product Size & Dimensions



Compact, Panel Mounting Design

Figure 5.1: Product dimensions of the Pilipane 5135A Digital Voltmeter.

6. SETUP AND INSTALLATION

The Pilipane 5135A is designed for panel mounting. Follow these steps for proper installation:

1. **Prepare Panel Opening:** Create a rectangular opening in your panel that matches the dimensions of the voltmeter's mounting area. Refer to the specifications for precise measurements.
2. **Insert Voltmeter:** Carefully insert the voltmeter into the prepared opening from the front of the panel.
3. **Secure Device:** Use the integrated clips or mounting hardware (if included) to secure the voltmeter firmly in place from the rear of the panel.
4. **Wiring Connections:** Identify the input terminals on the back of the voltmeter. These are typically labeled for voltage input (e.g., 'IN DC50mV', 'IN DC100mV', 'IN DC200mV') and power supply. Connect the voltage source to be measured to the appropriate input terminals. Ensure correct polarity.
5. **Power Supply:** Connect the necessary power supply to the voltmeter's power input terminals. Verify the voltage and current requirements before connecting.

Made of high quality plastic and metal, this product is rugged and practical. The flat right angle shape is equipped with a red LED display, and the data display is clear and intuitive.

With a universal case, it is compact and easy to use.

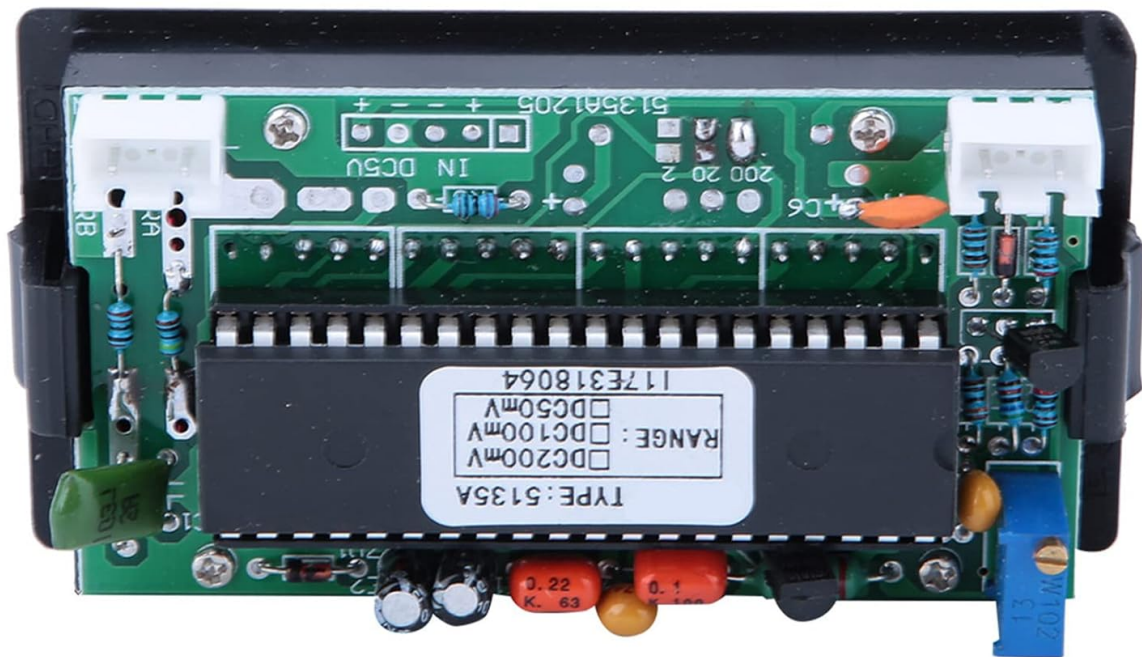


Figure 6.1: Internal view and wiring terminals of the Pilipane 5135A, indicating measurement range selection.

7. OPERATING INSTRUCTIONS

1. **Power On:** Once properly wired and installed, apply power to the voltmeter. The red LED display should illuminate.

2. **Select Range (if applicable):** The 5135A model supports multiple measurement ranges (DC50mV, DC100mV, DC200mV). Ensure your wiring corresponds to the desired measurement range. The device will automatically display the voltage within the selected range.
3. **Read Measurement:** The voltage reading will be displayed on the red LED screen. The display provides a clear, real-time indication of the measured DC voltage.
4. **Interpretation:** The displayed value represents the voltage in millivolts (mV) or volts (V) depending on the selected range and internal scaling. For example, a reading of '28.76' on a 200mV range would indicate 28.76mV.



Figure 7.1: The Pilipane 5135A Digital Voltmeter displaying a voltage reading.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display and housing. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring connections for any signs of wear or damage. Ensure all connections are secure.
- **Storage:** If storing the device for an extended period, ensure it is kept in a dry, dust-free environment within its specified operating temperature range.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank	No power supply or incorrect wiring.	Check power connections and ensure correct voltage is applied. Verify wiring according to the installation section.
Incorrect readings	Incorrect measurement range selected or faulty connection.	Ensure the voltage source is connected to the correct input range terminals. Check for loose or corroded connections.
Display flickers or is unstable	Unstable power supply or electromagnetic interference.	Ensure a stable power source. Relocate the device away from strong electromagnetic fields if possible.

10. WARRANTY AND SUPPORT

Pilipane products are manufactured to high-quality standards. For warranty information or technical support, please refer to the retailer where the product was purchased or visit the official Pilipane website. Please have your model number (Pilipanexf4sgbq09h-01) and purchase details ready when contacting support.