

Fydun Fydunudvq2ep9rs

Sound Level Meter User Manual

Model: Fydunudvq2ep9rs

1. INTRODUCTION

Thank you for choosing the Fydun Wall Mounted Noise Tester. This device is a high-precision sound level meter designed for accurate measurement of noise levels in various environments. Its 9.6-inch LCD display provides clear readings, and its wall-mounted design makes it ideal for continuous monitoring in factories, offices, residential areas, transportation facilities, and with audio equipment. This manual provides detailed instructions for the proper setup, operation, and maintenance of your decibel meter.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid strong vibrations or impacts.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Use only the specified power adapter (DC5V 1A Type C USB Interface) for charging.
- Keep the device away from water or other liquids.

3. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present:

- 1 x Decibel Meter Unit
- 1 x USB Type-C Data Cable
- 1 x User Manual (this document)

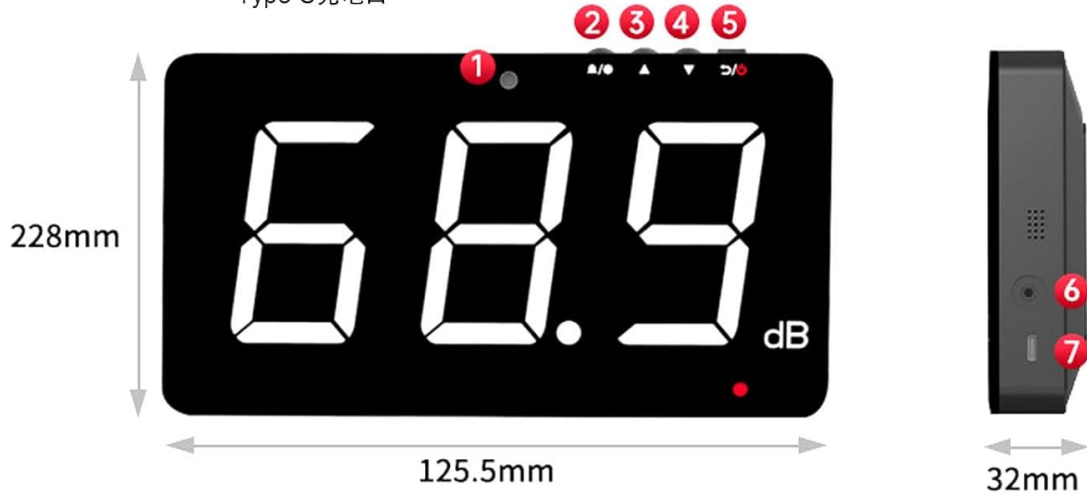


Image: The Fydun Sound Level Meter and its included USB Type-C data cable.

4. PRODUCT OVERVIEW

The Fydun Sound Level Meter features a large digital display for easy readability and a compact design for wall mounting. Understanding its components is key to proper operation.

Product Introduction
 电容麦克风 Condenser Microphone
 报警开关设置键 Alarm Switch Setting Key
 上键 Upper Key
 下键 Down Key
 电源开关键 Power Switch
 3.5mm音频接口 3.5mm Audio Interface
 Type C充电口



- 1 Condenser Microphone
 2 Alarm Switch Setting Key
 3 Upper Key
 4 Down Key
5 Power Switch
 6 3.5mm Audio Interface
 7 Type C Charging Port

Image: A diagram illustrating the Fydun Sound Level Meter with its dimensions (228mm x 125.5mm x 32mm) and numbered components.

Components

No.	Component	Function
1	Condenser Microphone	Captures sound for measurement.
2	Alarm Switch Setting Key	Used to set or adjust the alarm threshold.
3	Upper Key (▲)	Navigation or adjustment button (e.g., increase value).
4	Down Key (▼)	Navigation or adjustment button (e.g., decrease value).
5	Power Switch ()	Turns the device on or off.
6	3.5mm Audio Interface	Port for connecting external audio devices like speakers.
7	Type C Charging Port	Connects to the USB Type-C data cable for power and charging.

5. SETUP

5.1 Wall Mounting

The decibel meter is designed for easy wall-mounted installation. Choose a suitable location that is representative of the area where noise levels need to be monitored. Ensure the mounting surface is stable and secure.



Wall Mount Installation
Simple and reliable, suitable for a variety of scenarios

Image: The Fydun Sound Level Meter displayed as wall-mounted in a room, demonstrating its intended use.

5.2 Power Connection

The device can be powered via its built-in 3600mAh lithium battery or continuously via the USB Type-C port.

1. Locate the Type C Charging Port (7) on the side of the device.
2. Connect the provided USB Type-C data cable to the port.
3. Connect the other end of the USB cable to a DC5V 1A power adapter (not included) or a compatible USB power source.

Note: The product will automatically turn on when connected to a power supply.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- **Power On:** Press the ON/OFF button (5).
- **Turn Off:** Press and hold the ON/OFF button (5) until the display turns off.

If the number on the LCD screen does not jump or garbled characters appear after powering on, you may need to restart the device by pressing and holding the ON/OFF button.

6.2 Reading Measurements

Once powered on, the device will automatically begin measuring sound levels and display the decibel (dB) reading on the large LCD screen.



Image: The Fydun Sound Level Meter displaying a real-time sound level reading of 52.3 dB on its bright LCD screen.

6.3 External Audio Connection

The device supports connection to external audio devices via its 3.5mm audio interface (6).

1. Locate the 3.5mm Audio Interface (6) on the side of the device.
2. Connect a standard 3.5mm audio cable from your external speaker or audio system to this port.
3. This allows for external sound output, potentially for alarm notifications or monitoring.



Support 3.5 Audio Cable
External Horn Connection

Image: The Fydun Sound Level Meter with a 3.5mm audio cable connected to an external speaker, demonstrating the external audio output capability.

7. SPECIFICATIONS

Parameter	Value
Item Type	Decibel Meter
Material	ABS

Parameter	Value
Battery Type	Lithium Battery (Built-in)
Battery Capacity	3600mAh
Power Supply	DC5V 1A Type C USB Interface
Measurement Range	30-130dB
Accuracy	±1.5dB (Reference Sound Pressure Level, 94dB at 1KHz)
Frequency Response	31.5Hz-8.5KHz
Frequency Weighting	A Weighting
Response Time	FAST
Microphone	6mm Condenser Microphone
Digital Display	3 Digits
Resolution	0.1dB (100dB)
Operating Temperature	0-40°C
Operating Humidity	10%-80%RH
Storage Temperature	-10-60°C
Storage Humidity	10%-70%RH
Dimensions	9.84 x 7.48 x 2.36 inches (approx. 250 x 190 x 60 mm)
Weight	1.61 Pounds (approx. 0.73 kg)
Model Number	Fydunudvq2ep9rs

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery:** For optimal battery life, charge the device regularly, even if not in constant use. Avoid fully discharging the battery for long periods.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or no power connection.	Connect the USB Type-C cable to a power source and ensure it is properly plugged in. Allow some time for charging if the battery is depleted.
Display shows garbled characters or does not update.	Software glitch or temporary error.	Press and hold the ON/OFF button to restart the device.
Inaccurate readings.	Microphone obstructed or device placed in an unsuitable environment.	Ensure the microphone is clear of obstructions. Relocate the device to an open area away from direct sound sources or reflective surfaces if possible.
Device not charging.	Faulty cable or power adapter.	Try using a different USB Type-C cable and/or power adapter. Ensure the power source is active.

10. WARRANTY AND SUPPORT

Fydun products are manufactured to high-quality standards. For information regarding warranty coverage and technical support, please refer to the warranty card included with your purchase or contact Fydun customer service through the retailer where the product was purchased. Please have your model number (Fydunudvq2ep9rs) and purchase details ready when contacting support.