

Landtek MILA44200

Landtek MILA44200 Decibel Meter Sound Level Data Logger User Manual

Model: MILA44200

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your Landtek MILA44200 Decibel Meter Sound Level Data Logger. This device is designed for precise sound level measurement and data logging in various environments, including industrial, residential, and commercial settings. Please read this manual thoroughly before use to ensure optimal performance and to prevent damage.

Sound level Meter is designed to meet the measurement requirement of noise engineers, noise quality control, and health prevention in various environments.



The Landtek MILA44200 Decibel Meter is suitable for diverse applications such as musical instrument inspection, airport noise inspection, construction noise detection, and traffic noise detection.

2. PRODUCT OVERVIEW

The Landtek MILA44200 is a portable sound level meter featuring data logging capabilities, A/C weighting, and a 3-color light alarm system. It is equipped with a condenser microphone for accurate measurements.

Key Features:

- **Data Logging:** Stores up to 31,000 data points.
- **A/C Weighted Measurement:** Selectable A-weighting for general sound levels and C-weighting for low-frequency sound content.
- **Measurement Range:** 30~130dB (A) / 35~130dB (C) with an accuracy of ± 1.5 dB.
- **Frequency Range:** 31.5 Hz to 8,500 Hz.
- **3-Color Light Alarm:** Visual alerts for high (red), low (yellow), and normal (green) noise levels.
- **USB Connectivity:** For real-time recording, data export, analysis, and graph printing on Windows 7, 10,

and 11.

- **Rechargeable Battery:** Built-in 1000mAh lithium battery, charged via USB.
- **Multifunctional:** Adjustable date/time, Fast/Slow response, data hold/delete, automatic shutdown, record function, Hi/Low alarm settings, and calibration knob.

Components Included:

- 1 x Landtek MILA44200 Decibel Meter
- 1 x Windproof Sponge Ball
- 1 x USB Cable





The Landtek MILA44200 Decibel Meter, shown with its included USB charging cable.



The colored LCD display provides clear readings, indicating various parameters such as sound level, A/C frequency, time, date, battery status, and alarm icons.

3. SETUP

1. **Charge the Device:** Connect the decibel meter to a USB power source using the provided USB cable. The built-in 1000mAh lithium battery will begin charging.
2. **Attach Windproof Sponge Ball:** Gently place the windproof sponge ball over the microphone at the top

of the device. This helps to reduce wind noise during outdoor measurements.

3. **Power On:** Press and hold the **Power** button (red button with power symbol) to turn on the device.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press and hold the **Power** button.
- **Automatic Shutdown:** The device features an automatic shutdown function to conserve battery. This can be configured in the settings.

4.2 Measurement Settings

- **A/C Weighting Selection:** Press the **A/C** button to toggle between A-weighting (dBA) and C-weighting (dBC).

A-weighting simulates the human ear's response to low-intensity noise, suitable for ambient noise. C-weighting simulates the human ear's response to high-intensity noise, suitable for machine motor sound pressure analysis.

- **Fast/Slow Response:** Press the **F/S** button to switch between Fast and Slow response times.
Fast captures current readings quickly. Slow captures the average reading within 1 second.
- **Data Hold (MAX/HOLD):** Press the **HOLD** button to freeze the current reading on the display. Press **MAX** to display the maximum measured value.



Illustrates the selection of Fast or Slow time weighting and A-weighting or C-weighting for frequency response.

4.3 Alarm Function

The device features a 3-color light alarm system for visual indication of noise levels:

- **Green:** Normal noise levels.
- **Yellow:** Low alarm threshold reached or exceeded.
- **Red:** High alarm threshold reached or exceeded.

Alarm thresholds (Hi/Low) can be set by the user. If the indicator function is off, the lights will not activate.



The display shows a yellow light for a low alarm (e.g., $\geq 50\text{dBA}$) and a red light for a high alarm (e.g., $\geq 70\text{dBA}$).

4.4 Calibration

A calibration knob is located on the back of the device for adjustment. Refer to the detailed software manual for specific calibration procedures.

5. DATA LOGGING AND PC CONNECTION

The Landtek MILA44200 can store up to 31,000 data points internally. For real-time recording, data export, analysis, and graph printing, connect the device to a computer.

5.1 Connecting to PC

1. Ensure the decibel meter is powered on.
2. Connect the device to your computer using the provided USB cable.
3. The device is compatible with Windows 7, Windows 10, and Windows 11 operating systems.

5.2 Software and Data Export

Specialized software is required for data management. This software allows you to:

- Download recorded data.
- Perform real-time data sampling and analysis.
- Print graphs and data reports.

For software download and a detailed user manual, please visit: <https://cd50.net/442/>

Data Storage

31,000 Data Record Function

Connect with the computer through USB. It can download data records, do real-time data sampling analysis, printing graphs, and other data functions.

(Compatible only with Microsoft XP/ Vista/ Windows 7)



The decibel meter connected to a computer via USB, demonstrating its data storage and analysis capabilities.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Battery Care:** Recharge the built-in lithium battery regularly, especially if the device will not be used for an extended period, to maintain battery health.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Microphone Protection:** Always keep the windproof sponge ball on the microphone when not in use to protect it from dust and physical damage.

7. TROUBLESHOOTING

- **Device Not Powering On:** Ensure the battery is charged. Connect to a USB power source and try again.
- **Inaccurate Readings:** Check if the windproof sponge ball is properly installed. Ensure the device is calibrated. Avoid measuring in strong winds or near strong electromagnetic fields.
- **PC Connection Issues:** Verify the USB cable connection. Ensure the correct software drivers are installed. Try a different USB port or computer.
- **Screen Readability Outdoors:** The screen may be difficult to read in direct sunlight. Try to operate the device in shaded areas for better visibility.

8. SPECIFICATIONS

Parameter	Specification
Measurement Range (A-weighted)	30~130dB (A)
Measurement Range (C-weighted)	35~130dB (C)
Accuracy	±1.5 dB
Frequency Range	31.5 Hz to 8,500 Hz


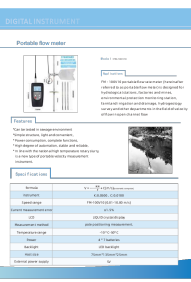


Data Storage Capacity	31,000 data points
Battery Type	1000mAh Lithium Battery (Rechargeable via USB)
PC Compatibility	Windows 7, 10, 11
Item Weight	9.6 ounces
Package Dimensions	7.28 x 5.08 x 2.24 inches

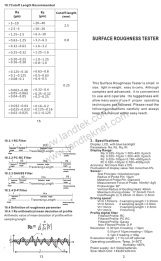
9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your seller. For technical support, software downloads, and additional resources, please visit the manufacturer's support website or the link provided in Section 5.2: <https://cd50.net/442/>

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Related Documents - MILA44200

	<p>Belt Tension Tester BTT-2880 - LANDTEK Specifications and Features</p> <p>Detailed specifications, features, and dimensions for the LANDTEK BTT-2880 Belt Tension Tester, designed for accurate measurement of belt tension in various industries like automotive and textile.</p>
	<p>LANDTEK FM-100V10 Portable Flow Meter - Digital Instrument</p> <p>Discover the LANDTEK FM-100V10, a versatile portable flow meter designed for accurate velocity measurement in open channels. Features include a liquid crystal display, wide speed range, and robust design for various environmental applications.</p>
	<p>LANDTEK BTT-2880S Sonic Belt Tension Tester User Manual</p> <p>User manual for the LANDTEK BTT-2880S Sonic Belt Tension Tester. Learn about its features, operation, calibration, and how to accurately measure belt tension using frequency.</p>
	<p>Landtek HM-6560 Leeb Hardness Tester User Manual</p> <p>This user manual provides comprehensive instructions for operating, preparing, calibrating, and maintaining the Landtek HM-6560 Leeb Hardness Tester. It covers features, specifications, testing principles, procedures, and troubleshooting for accurate hardness measurements.</p>



[LANDTEK SRT-6200S Surface Roughness Tester User Manual](#)

Comprehensive user manual for the LANDTEK SRT-6200S Surface Roughness Tester, detailing features, specifications, measurement procedures, calibration, and maintenance.



[HT-6510P Pencil Hardness Tester User Manual](#)

This document provides detailed instructions and specifications for the HT-6510P Pencil Hardness Tester, a device used to determine the film hardness of coatings using the Pencil Scratch Method.