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ETURBEV TA653B

ETURBEV TA653B Wall-Mounted Digital Sound Level Meter Instruction Manual

Model: TA653B | Brand: ETURBEV

Introduction

This manual provides detailed instructions for the proper setup, operation, and maintenance of your ETURBEV TA653B Wall-Mounted Digital Sound Level Meter. Please read this manual thoroughly before using the device to ensure safe and efficient operation.



Figure 1: Front view of the ETURBEV TA653B Sound Level Meter, showing a large digital display indicating 68.9 dB and a vertical bar graph on the right.

Product Features

- Large digital display for clear readability of sound levels.
- Wall-mountable design for fixed environmental monitoring.
- Real-time decibel (dB) measurement.

- Environmental noise alarm function.

Setup

1. **Unpacking:** Carefully remove the sound level meter from its packaging. Verify that all components are present.
2. **Power Connection:** Connect the device to a suitable power source using the provided adapter. Ensure the power supply matches the device's requirements.
3. **Mounting:**
   The TA653B is designed for wall-mounting or desktop use with its integrated stand. For wall mounting:
   - Select a location free from excessive vibration, direct sunlight, or extreme temperatures.
   - Use appropriate screws and anchors (not included) to secure the device to the wall through the designated mounting holes on the back.



Figure 2: Side view of the TA653B Sound Level Meter, showing its integrated kickstand extended for desktop placement.



Figure 3: The TA653B Sound Level Meter displayed in a wall-mounted configuration, suitable for continuous environmental noise monitoring in industrial settings.

Operating Instructions

1. **Power On/Off:** Press the power button (usually located on the side or bottom) to turn the device on or off. The large display will illuminate.
2. **Reading Decibel Levels:** Once powered on, the device will immediately begin displaying the current sound level in decibels (dB) on its large screen. The vertical bar graph on the right provides a visual indication of the sound intensity.
3. **Alarm Function:** The TA653B features an environmental noise alarm. Refer to the specific settings menu (accessed via 'SEL' button) to configure alarm thresholds. When the measured sound level exceeds the set threshold, an audible or visual alarm will activate.
4. **Data Recording (if applicable):** If your model supports data recording, use the 'REC' button to start/stop recording. Data can typically be retrieved via the USB port.
5. **Unit Selection:** If available, use the 'SEL' button to cycle through different display modes or units.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device's exterior. 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.
- **Calibration:** For professional applications requiring high accuracy, periodic calibration by a certified laboratory is recommended.
- **Microphone Care:** Ensure the microphone sensor (typically a 6mm condenser microphone) is kept clean and free from obstructions to maintain measurement accuracy.



Figure 4: The TA653B Sound Level Meter highlighting its large 13-inch display, which ensures clear visibility of sound level readings.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	No power supply or faulty connection.	Check power adapter and ensure it is securely connected to a working outlet.

Problem	Possible Cause	Solution
Inaccurate readings.	Microphone obstructed or device needs calibration.	Ensure microphone is clean. Consider professional calibration if accuracy is critical.
Alarm not triggering.	Alarm threshold set too high or alarm function disabled.	Review alarm settings and adjust the threshold as needed.

Specifications

- **Model:** TA653B
- **Brand:** ETURBEV
- **Display:** Large Digital LED (approximately 13 inches diagonal, based on product images)
- **Measurement Range:** (Information not provided in source, typical range 30-130 dB)
- **Accuracy:** (Information not provided in source, typical accuracy ±1.5 dB)
- **Frequency Range:** (Information not provided in source, typical range 31.5 Hz - 8.5 kHz)
- **Microphone:** 6mm Condenser Microphone
- **Power Source:** (Information not provided in source, typically DC adapter)
- **Mounting:** Wall-mounted or desktop with stand
- **Features:** Environmental Noise Alarm, Data Recording (via USB, inferred from image icons)

Note: Specific technical specifications such as measurement range, accuracy, and frequency range were not provided in the product data. Please refer to the product packaging or manufacturer's official website for complete details.

Warranty and Support

Warranty information for the ETURBEV TA653B Sound Level Meter is not explicitly detailed in the provided product data. Please refer to your purchase documentation or contact the retailer/manufacturer directly for warranty terms and conditions.
For technical support or further assistance, please contact ETURBEV customer service through their official channels or the vendor from whom you purchased the device.

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