NHJLFKSA MS6708

NHJLFKSA MS6708 Digital Sound Level Meter User Manual

Model: MS6708 | Brand: NHJLFKSA

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation, setup, and maintenance of your NHJLFKSA MS6708 Digital Sound Level Meter. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

Figure 1: Front view of the NHJLFKSA MS6708 Digital Sound Level Meter, showing the microphone, display, and control buttons.

2. SAFETY INFORMATION

Observe the following safety precautions to ensure safe operation and to avoid damage to the device or injury to yourself.

- Do not attempt to repair or modify the device. Refer all servicing to qualified personnel.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid strong vibrations or impacts to the device.
- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Dispose of batteries according to local regulations.

3. PRODUCT OVERVIEW

The NHJLFKSA MS6708 is a handheld digital sound level meter designed for industrial and general noise measurement. It features a digital display with an analog bar graph, auto/manual ranging, and selectable

fast/slow response times.

3.1 Components and Display

Figure 2: Detailed view of the MS6708 control panel, showing the power button, MAX/MIN, FAST/SLOW, A/C weighting, backlight, and dB/SONE buttons.

Key components include:

- **Microphone:** Captures sound waves for measurement.
- **LCD Display:** Shows sound level readings, units, and various indicators.
- **Power Button (①):** Turns the device on or off.
- **MAX/MIN Button:** Toggles between maximum, minimum, and current readings.
- **FAST/SLOW Button:** Selects response time for measurement (Fast: 125ms, Slow: 1s).
- **A/C Button:** Selects A or C frequency weighting.
- **Backlight Button ( ):** Activates or deactivates the display backlight.
- **dB/SONE Button:** Switches between decibel (dB) and Sone units (if applicable, typically dB for sound level meters).
- **Range Buttons (▲ / ▼):** Manually adjust the measurement range.

- **Hold Button (H):** Freezes the current reading on the display.

4. SETUP

4.1 Battery Installation

The MS6708 requires four (4) 1.5V AAA batteries for operation. Batteries are not included with the device.

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open the compartment.
3. Insert four 1.5V AAA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

Figure 3: Rear view of the MS6708 with the battery compartment open, showing the slots for four AAA batteries.

Note: If the low battery indicator appears on the display, replace the batteries promptly to ensure accurate measurements.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- Press the Power button (①) to turn the device on.
- Press and hold the Power button (①) for approximately 2 seconds to turn the device off.

5.2 Taking a Measurement

1. Turn on the device. The display will show the current sound level in decibels (dB).
2. Position the microphone towards the sound source you wish to measure. Ensure no obstructions are blocking the microphone.
3. Read the sound level value on the LCD display. The analog bar graph provides a visual representation of the sound level.

Figure 4: The MS6708 displaying a sound level reading of 49.0 dB, indicating active measurement.

5.3 Function Buttons

- **MAX/MIN:** Press to cycle through maximum, minimum, and current sound level readings. This function captures the highest and lowest sound levels detected during a measurement session.
- **FAST/SLOW:** Press to switch between Fast (125ms) and Slow (1 second) response times. Fast response is suitable for capturing sudden noise peaks, while Slow response provides an average reading

for more stable measurements.

- **A/C:** Press to select A-weighting or C-weighting. A-weighting approximates the human ear's response to sound, commonly used for environmental noise. C-weighting provides a flatter response, suitable for measuring peak sound pressure levels.

- **Backlight ( ):** Press to turn the display backlight on or off for improved visibility in low-light conditions.

- **Hold (H):** Press to freeze the current reading on the display. Press again to release the hold function and resume live measurement.

- **Range (▲ / ▼):** In manual ranging mode, use these buttons to select the appropriate measurement range (e.g., 30-80dB, 40-90dB). The device also supports auto-ranging.

5.4 Auto Power Off

The device features an auto power-off function to conserve battery life. If no buttons are pressed for a certain period, the meter will automatically shut down. To disable this feature (if supported by the model), refer to advanced settings in the full product manual or contact support.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

- **Microphone Care:** Keep the microphone clean and free from dust or debris. Avoid touching the microphone directly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Check battery polarity. Replace with new 1.5V AAA batteries.
Inaccurate readings.	Microphone obstructed, incorrect range selected, or device needs calibration.	Ensure microphone is clear. Adjust measurement range. If issues persist, consider professional calibration.
Display is dim or blank.	Low battery or backlight off.	Replace batteries. Press the backlight button ( ).
Device shuts off unexpectedly.	Auto power-off activated or low battery.	Replace batteries. The auto power-off feature is standard to conserve battery life.

8. SPECIFICATIONS

Feature	Detail
Model	MS6708
Display	2000 counts, Digital with Analog Bar Graph

Feature	Detail
Measurement Range	30dB to 130dB
Frequency Range	30Hz to 8kHz
Resolution	0.1dB
Accuracy	±1.5dB
Response Time	Fast (125ms) / Slow (1 second)
Frequency Weighting	A and C
Ranging	Auto & Manual
Auto Power Off	Yes
Power Supply	4 x 1.5V AAA Batteries (not included)
Product Dimensions	193mm x 60mm x 29mm (7.6" x 2.4" x 1.1")
Product Weight	222g (0.48lb)

9. WARRANTY AND SUPPORT

Specific warranty information for the NHJLFKSA MS6708 Digital Sound Level Meter is not provided in the product details. For warranty claims, technical support, or service inquiries, please contact the retailer or manufacturer directly.

Manufacturer: NHJLFKSA

Please retain your purchase receipt as proof of purchase for any warranty-related issues.