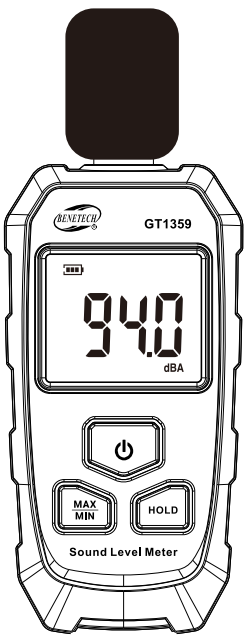
BENETECH®

Model: GT1359

Sound Level Meter

Instruction Manual



A.Introduction

The digital sound level meter features a novel design, compact size, and portability. It is suitable for noise engineering, quality control, health prevention, and environmental noise measurements in various settings, such as factories, offices, traffic roads, households, and sound systems.

Product Features:

- ► Sound level measurement.
- ► Minimum/Maximum/Current value lock.
- ► Measurement data hold.
- ► LCD backlight feature.
- ► Automatic/Manual shutdown.
- ► Backlight alarm feature.

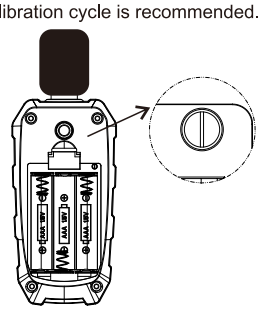
B.Calibration Method

*Please use a 94dB@1kHz standard sound source.

1.Carefully insert the microphone head into the 1/2-inch hole of the standard sound source (94dB@1kHz).

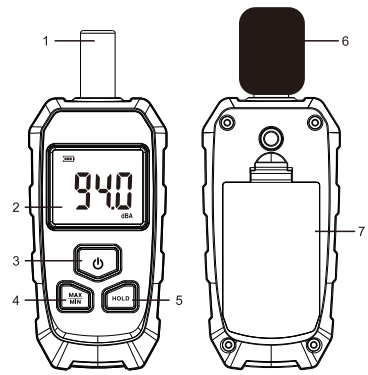
2.Turn on the power switch of the standard sound source (94dB@1kHz) and adjust the potentiometer inside the circular hole on the back of the device with a flat-head screwdriver until the LCD displays 94.0.

*The instrument is calibrated before leaving the factory; a one-year calibration cycle is recommended.



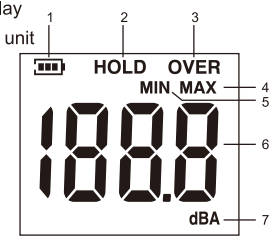
C.Names of components

1.Condenser microphone
2.LCD display
3.Power switch/Backlight button
4.Max/Min lock button
5.Data hold button
6.Wind shield
7.Battery compartment



D.LCD Display

1.Battery power indicator
2.Data hold
3.OVER warning indicator/Reading exceeds range
4.Maximum value
5.Minimum value
6.Sound level reading display
7.(A-weighted) sound level unit



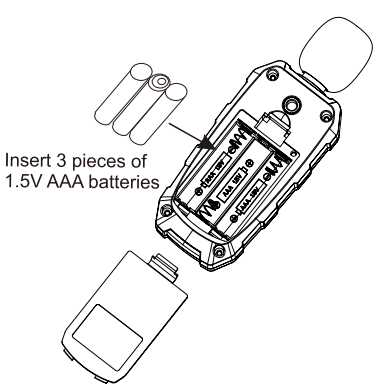
E.Operating Instructions

1.Open the battery cover and insert 3 pieces of 1.5V AAA batteries.

2. Close the battery cover.

3. Sound level reading:

Press the power button "⏻"; the LCD panel will display the full screen for 1 second, then immediately show the current environmental noise level. The value will change according to the level of the surrounding noise.



4. Minimum sound level lock:

Press the "MAX MIN" key to enter the "MIN" measurement mode. The current data will be locked until a new minimum value replaces the current value.

5. Maximum sound level lock:

Press the "MAX MIN" key again to enter the "MAX" measurement mode. The current data will be locked until a new maximum value replaces the current value. Press the "MAX MIN" key again

to return to the measurement mode.

6. Measurement data hold:

Press the "HOLD" key to lock the current measurement data.

Press the "HOLD" key again to exit the lock.。

7.LCD Backlight Operation:

Press the "⏻" button briefly to turn on the LCD backlight, and press it again briefly to turn it off.

8.Shutdown:

The device automatically shuts down after 10 minutes of inactivity. Alternatively, hold the "⏻" button for 2 seconds to shut down manually. During startup, hold the "⏻" button for 3 seconds until "UOF" is displayed on the LCD, disabling automatic shutdown. Manual shutdown will then be required.

9.Backlight Alarm Setting:

1).After turning on, press the "HOLD" button, and "HOLD" will appear on the display.

2).Hold the "⏻" button for about 2 seconds until the dBA indicator at the bottom right disappears, entering the alarm value setting interface.

3).Use the "MAX MIN" and "HOLD" buttons to decrease or increase the alarm value. Long press for faster adjustment

4).Press the "⏻" button to save the alarm value. The device will return to the measurement screen, completing the alarm value setting. When the measured value exceeds the set alarm value, the backlight will flash.

F.Precautions

1.When the battery power is low, the LCD will display the " ▭ " symbol, indicating that the battery needs to be replaced.

2.Do not use the instrument in high-temperature or humid environments.

3.Remove the battery if the instrument will not be used for an extended period to prevent damage from leaked electrolyte.

4.When measuring noise outdoors, attach the wind shield to the microphone head to avoid interference from direct wind.

G.Technical Specifications

Measurement Range	30~130dBA
Accuracy	±1.5dB
Frequency Response	31.5Hz~8KHz
Frequency Weighting Characteristics	A-weighted
Resolution	0.1dB
Operating Temperature and Humidity	0~40℃，10~80%RH
Storage Temperature and Humidity	-10~60℃，0~90%RH
Power Supply	3*1.5V AAA batteries
Dimensions	52*30*128mm

Special Statement:

Our company is not responsible for any derivative consequences arising from the use of this product.

Our company reserves the right to modify the product design and manual contents without prior notice!

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