

User Manual

Mini Sound Level Meter



Please read this user manual thoroughly before using this unit and keep it for your future reference.

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1. Safety

Read the following safety information carefully before attempting to operate the meter.

Use the meter only as specified in this manual; otherwise, the warranty may be invalidated.

▲ Environment conditions:

- Altitude up to 2000 meters
- RH≤90% (Non-Condensation)
- Operating Temperature: -20~60°C

▲ Maintenance

- Repairs or servicing should only be performed by ATP Instrumentation Ltd.
- Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

▲ Safety Symbol

CE Complies with EMC

2. Introduction

This Sound Level Meter is designed to meet the measurement requirements of safety Engineers, Health, Industrial safety offices and sound quality control in various environments like factories, schools, construction sites etc.

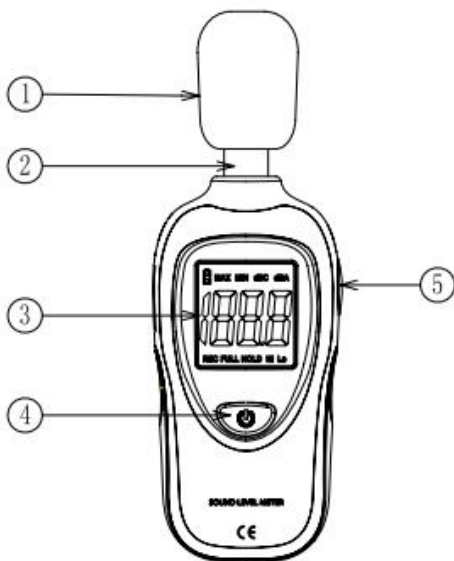
- Complies with IEC61672-1 CLASS2 Standard
- Max/Min Measured Values
- Data Hold
- “A” Frequency Weighting

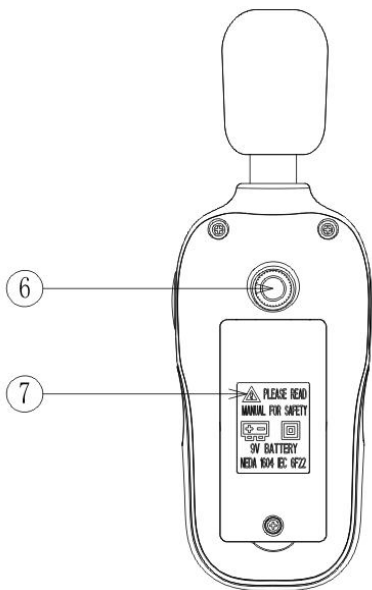
3. Specifications

Applied standard	IEC61672-1 CLASS2
Accuracy	±1.4dB
Frequency range	31.5Hz ~ 8KHz

Dynamic range	50dB
Measuring range	30dB ~ 130dB
Frequency weighting	dBA
Microphone	1/2 inch electret condenser
Display	3 1/2 digits
Resolution	0.1dB
Data update:	0.5 sec
Max Hold	MAX
Min Hold	MIN
Data Hold	HOLD
Auto power off	After approx. 15 minutes of inactivity.
Power supply	One 9V battery, 006P or IEC 6F22 or NEDA 1604.
Battery life	at least 30 hours
Operating conditions	-20°C ~ 60°C 10%RH~90%RH
Storage conditions	-20°C ~ 60°C 10%RH~75%RH
Dimension(L*W*H)	144 x 55 x 38mm
Weight:	90g

4. Meter Description






- (1)** Wind muffler microphone cover
- (2)** Microphone
- (3)** LCD display
- (4)** Power ON/OFF button
- (5)** MIN/MAX and Data Hold button
- (6)** Tripod bush
- (7)** Battery compartment

5. LCD Display Description




Icon	Function
LCD	3 1/2 digits
MAX	Max value hold
MIN	Min value hold
dBA	A frequency weighting (designed to reflect the response of the human ear to noise)
HOLD	Data hold
	Low battery indication

6. Basic Operation


Open battery cover and install a 9-volt battery in the battery compartment.


Close the battery compartment.


When the low battery icon "  " appears, replace the battery.

7. Operation Instructions

① Backlight & Power ON/OFF Function

Power ON: To turn the meter on, press & hold the  button for 1 second until the LCD is lit, then release the button.

Power OFF: To turn the meter off, press & hold the  button for approx. 3 seconds until the LCD switches off, then release the button.

Backlight: After turning the meter on, momentarily press the  button and the backlight will turn on/off. It will automatically turn off after approx. 30 seconds of inactivity.

DATA HOLD & MAX/MIN Function

HOLD: After turning the meter on, momentarily press the "MAX/MIN" button, "HOLD" icon will appear on the LCD, and the current displayed value will be frozen. To return from the held reading, press the button again.

MAX/MIN: Press & hold the "MAX/MIN" button for at least 3 seconds until "MAX" icon appears on the LCD to view the current MAX reading. Press the button again and the "MIN" icon will appear to display the current MIN reading. To exit the MAX/MIN mode, press & hold the "MAX/MIN" button for 3 seconds.

The meter will conduct measurement and select measurement range automatically. Measuring level range: 30dB ~ 130dB.

Hold the meter in hand or use the tripod to affix the meter in the desired location. The best measuring distance is 1 to 1.5m away from the sound source to the microphone.

8. Operation Precautions

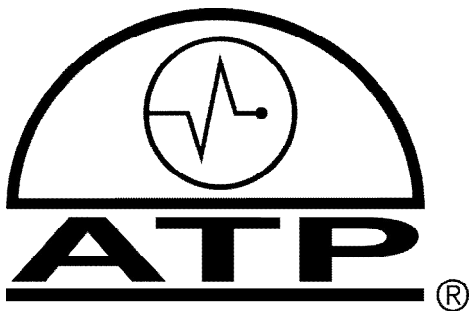
- ① Do not store or operate the meter in areas of high temperature or humidity.
- ② Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- ③ Wind blowing across the microphone will affect the noise measurement. Use the supplied wind muffler to cover the microphone during applications involving turbulent air.
- ④ Keep microphone dry and avoid severe vibration.

9. Calibration

Repairs, servicing or calibration should only be performed by ATP Instrumentation Ltd.

10. Accessories

- ① User manual
- ② Wind Muffler



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