



**User's Manual**  
**Mini Sound Level Meter – 13/481/0**



***Please read this user manual thoroughly before use  
and keep it safe for future reference.***

**1. General Description**

This Sound Level Meter is designed to provide basic measurements of noise levels (dBA) for Health and Safety Engineers, Industrial Safety Officers in a variety of industrial environments such as factories, schools, kitchens, garages and construction sites.

**2. Features**

- Provides continuous readings of sound pressure in dBA
- Stores Maximum and Minimum readings
- Hold function

**3. Basic User Maintenance**

This device contains no user serviceable parts and repairs should only be performed by qualified personnel.

Clean by wiping the unit with a soft dry cloth, do not use abrasives or solvents on this instruments.

The battery will need to be replaced periodically, see section 10.

**4. Safety**

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

Use the meter only as specified in this manual; otherwise, the readings provided by the meter may be impaired.

**Suitable conditions for use:**

Altitude up to 2000 metres

Storage and operating conditions: -20 to 60°C, RH≤90% (Non-Condensing)

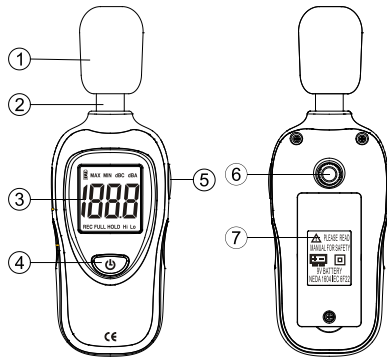
EMC compliant (IEC61672-1 Class 2)

**5. Specifications**


<b>Applied standards</b>	IEC61672-1 Class 2
<b>Accuracy</b>	±1.4dB
<b>Frequency range</b>	31.5Hz ~ 8KHz
<b>Dynamic range</b>	50dB
<b>Measuring level range</b>	30dB ~ 130dB
<b>Frequency weighting</b>	dBA
<b>Microphone</b>	1/2 inch electret condenser
<b>Display</b>	3 1/2 digits,
<b>Resolution</b>	0.1dB
<b>Data update:</b>	0.5 sec
<b>Max Hold</b>	MAX
<b>Min Hold</b>	MIN
<b>Screen Lock</b>	HOLD
<b>Auto power off</b>	Automatic shut down after approx. 15 minutes of inactivity.
<b>Power supply</b>	One 9V battery, 006P or IEC 6F22 or NEDA 1604.
<b>Battery life</b>	> 30 hours
<b>Operating conditions</b>	- 20°C~60°C, 10%RH~90%RH
<b>Storage conditions</b>	-20°C~60°C, 10%RH~75%RH
<b>Dimension(L*W*H)</b>	144* 55* 38mm
<b>Weight:</b>	90g
<b>Accessories:</b>	User's Manual, 9V battery and windshield

## 6. Meter Description

- (1) Windshield / Microphone cover
- (2) Microphone
- (3) LCD display
- (4) Power ON/OFF button
- (5) MAX/MIN button
- (6) Tripod nut
- (7) Battery compartment



## 7. LCD Display Description


Icon	Function
LCD	3 1/2 digits
MAX	Max value recorded during session
MIN	Min value recorded during session
dBA	Frequency weighting (Human hearing range)
HOLD	Data hold
	Low battery indication




Note - This model does not measure dBC

## 8. Operating Instructions


### Backlit & Power ON/OFF Function



**Power ON:** Press and release the power button  and the LCD screen will be activated.

**Power OFF:** Press and hold the power button  for approximately 3 secs until the LCD switches off.

**Backlit:** When the meter is on, press the power button , again and the backlight will be switch on. Pressing the power button again will switch it off, but it will automatically turn off after approximately 30 secs of inactivity.

## HOLD & MAX/MIN Function

**Hold Function:** After turning the meter on, press and release the  button. The "HOLD" icon will appear on the screen and the last reading will be held on the screen. To release the held reading, press the button again.

**Max/Min:** Press and hold the  button for at least 3 secs until the "MAX" icon appears on the screen. The meter will now display the highest reading recorded since it was last switched on. Pressing the button again will display the minimum reading. To exit the MAX/MIN mode, press and hold the  button for 3 secs.

## 9. Notes on use

- The meter will select the measurement range automatically. Measuring level range: 30dB ~ 130dB.
- Hold the meter in your hand or use the tripod nut to fix the meter in a desired location.
- Measurements should be taken at head height where the people affected will be located.
- Noise levels decay over distance, so reference readings should include the distance from the sound source (typically 1 metre).
- Wind blowing across the microphone may cause high readings. Use the supplied windshield to cover the microphone when taking measurements to help avoid this.
- Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- Keep the microphone dry and avoid severe vibration.

## 10. Changing the battery

Open battery cover by removing the small securing screw.

Install a 9-volt battery in the battery compartment.

Close the battery compartment.

When the low battery icon  appears, replace the battery.

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