



Sound Level Meter

SL-128

4661385

Operation Instructions

Features

1. The instrument is designed to meet standard IEC651 TYPE2 and ANSI S1.4 TYPE2.
2. Measuring range is 30~130dB
3. A & C indication are in conformity with above standards.
4. Time indication (FAST & SLOW) dynamic characteristic modes .

Specifications

Range	Accuracy	Resolution	Dynamic response
30dB-130dB	± 1.5 dB	0.1dB	50dB

1. Accuracy ± 1.5 dB(94 dB@1KHz)
2. Frequency response 31.5Hz ~ 8.5KHz
3. Dynamic characteristic 50dB
4. Measuring range 30 ~ 130dB
5. A & C frequency indication characteristic
6. Measuring range 30~80dB 50~100dB 60~110dB 80~130dB
7. "OVER" overload indication, "UNDER" under load indication .
8. FAST and SLOW dynamic characteristic mode.
9. Lock Maximum value MAX

10. Power supply 4×1.5V AA cells or 6V,100mA DC power supply
11. Self-test time 10 seconds
12. Operating temperature and humidity 0~+40 , 10 ~ 80%RH
13. Stored temperature and humidity -10°C ~ +50°C , 10 ~70%RH
14. Dimensions : 265(L)×72(W)× 35(H)
15. Weight 300g (including batteries)

LCD display panel (Fig2)

1. Measuring range indication
2. Low battery indication
3. Maximum value
4. Sound readings
5. Sound unit (dB)
6. A indication and C weighting

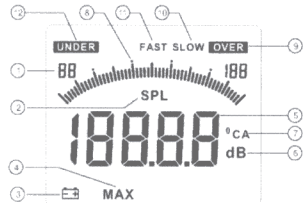


Fig2

- 8. Scale (1dB/1 scale)
- 8. OVER indication (when readings is more than Measurement value in each range)
- 10. SLOW (slow sampling rate)
- 11. FAST(fast sampling rate)
- 12. UNDER indication (when readings is less than Measurement value in each range)

Functions (Fig1)

- 1. Microphone
- 2. Display panel
- 3. Power switch
- 4. Select switch
 - 30 - 80, 50 - 100, 60 - 110, 80 - 130 dB
- 5. Function switch for locking maximum value
- 6. Select switch for frequency indication (A/C)

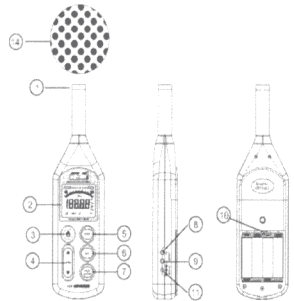


Fig1

A indication "Human hearing" perception .

C indication for extremely low or high frequency sounds

Select switch for time indication

FAST / SLOW

7. AC signal output plug jack
(0.707mV when full scale per range)
8. DC signal output plug jack 10mV/dB
10. Correction knob
11. DC6 power input plug jack
12. Battery case
13. Screw hole
14. Sponge ball

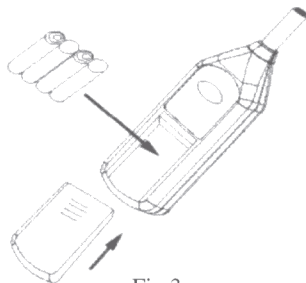



Fig.3

Preparation (Fig3)

1. Loosen the screws, open battery case, insert 4pcs AA 1.5V cells into battery compartment.

2. When LCD display show "  " it indicate a normal battery output of less than 6.5V to 7.5V. It is necessary to replace the battery.
3. When using DC power adapter, please insert output plug of the DC power adapter to plug jack of the DC6V on the side of the Instrument.

MEASURING PROCEDURE

1. Press power switch
2. Select proper measuring range by pressing LEVEL ▲ or ▼, select the suitable point to test the voice, avoiding "UNDER" or "OVER" symbol.
3. If check sound by human ear ,select "dB A" , for sounds which cannot be perceived by human hearing select "dB C" .
4. If you want to read the instant sound, please press "FAST/SLOW"

button, when the screen show "FAST",

then it is right. If you want to get the average voice amount at that time, please press "FAST/SLOW"

button, when the screen show "SLOW", then it will be OK.

5. To obtain measuring maximum, please press "MAX" function key

Calibration method Fig4

Please make use of 94dB@1KHz
standard sound generator.

1. Set status :

frequency weighting press A/C key ,
until the display indicates dB A time
weighting , FAST characteristic
(press FAST/SLOW key,
until indication FAST),switch rang
60 ~ 110 dB

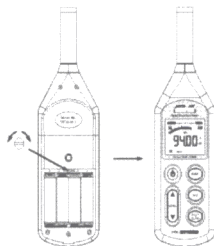


Fig4

2. Insert microphone head into hole of the standard sound resource (94dB@1KHz, 1/2 inch)
3. Open power switch of the standard sound resource, adjust electrode , make LCD indicate 94.0 The meter had been calibrated in producing. Correction period is one year .

Note

1. Keep the meter protected from high temperatures and moisture.
2. We recommend removal of the battery for long periods of non-use, this prevents excessive battery discharge and leakage, which may result in damage of the instrument.
3. When you measure out door sound, please fix wind-cover on the microphone head. Operating temperature is 0°C ~ 40°C, operating humidity is less than 80%RH.