

## Digital Sound Level Meter Operation Manual



\*There is a PC soft in the disc.

### A. Introduction

Please read this operation manual carefully before using this equipment for correct operations. This equipment has been designed to meet the measurement requirement of safety engineers, health, industrial safety offices and sound quality control in various environment, which include factory, traffic, family and audio system.

1. This unit was designed according to IEC651 TYPE2 & ANSI S1.4 TYPE for sound level meters.
2. Accuracy: +1.5dB
3. Measuring range: 30 ~ 130dBA or 35 ~ 130dBC
4. Frequency weighting: A and C
5. Time weighting: Fast & Slow
6. AC and DC output for frequency analyzer level recorder, FFT analyzer, graphic recorder etc.
7. The meter can be connected PC with USB

### B. safety notice

Operation Environmental condition:

1. Below 2000 meter in height

Operating condition:

0°C ~ 40°C, 10 ~ 80%RH

Use dry cloth to clean the unit but never with any solvent.

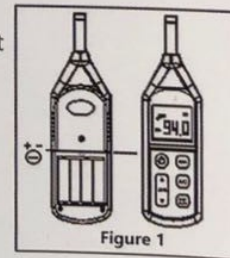


Figure 1

### C. Calibration Procedures

- 1 Make the following setting:  
Equivalent weight: A  
Level range: 30 ~ 130dB
- 2 Insert the microphone carefully into the 1/2 inch hole of the calibrator

Turn on the calibrator and adjust the Protentio meter inside the battery compartment of the unit (shown in the Figure 1), until the LCD display the desired level 94.0dB.  
Our products are all well calibrated before shipment recommended recalibration cycle 1 year.

### D. Name and function.(Figure 2)

1. Electrel Condenser Microphone
  2. LCD Display
  3. Power switch
  4. Level range control switch: 30 ~ 80dB, 40 ~ 90dB, 50 ~ 100dB, 60 ~ 110dB, 70 ~ 120dB, 80 ~ 130dB, 30 ~ 130dB
  5. Maximum value select switch(MAX).
  6. Equivalent weigh select switch:
- A: A-weighting for general sound level measurements.  
C: C-weighting for checking the low frequency content of noise.

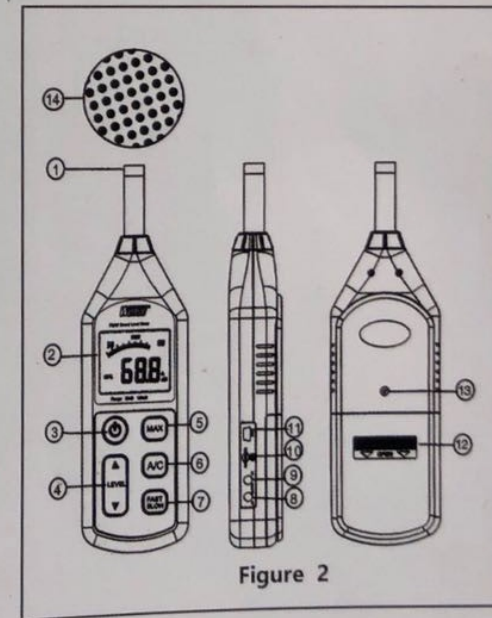


Figure 2