

Digital Sound Level Meter Operation Manual



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CONTENTS

I. Preface.....	2
II. Safety Instructions.....	2
III. Functions & Features.....	3
IV. Specifications.....	4
V. Preparation Before Using.....	5
VI. The Method Of Usage.....	5
VII. Record And Storage Of Measurement Data.....	6
VIII. Installing Operation Software In A Computer.....	7
IX. Linking And Communication Between The Meter And a Computer.....	7
X. Set time And Date.....	8
XI. Calibrating Sound level Meter.....	8
XII. Cautious.....	8

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I. Preface:

Thank you for selecting our production.
Please read the following information carefully
before using the meter. The Sound Level Meter
has been designed to measure sound level for
various environments, It is used to detect noise,
music level or sound engineerings.

II. Safety Instructions:



Please use it according to the following usage.
Environment conditions:

- Altitude: less than 2000 meters.
- Relatively humidity 80% max
- Operation temperature 0~40°C

Maintenance & save:

Do not clear the meter using alcohol and impregnant.
if you do not use it for a long time, please take out the
battery and place the instrument in a dry surrounding.

Safety symbols:

-  Meter is protected by double insulation
-  Comply with European Union's 93/68/EEC

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III. Functions & Features

1. The meter has been designed according to the
IEC651 Type 2, ANSI S1.4 Type 2.
2. Measurement range is from 30dB to 130dB and
automatic ranging.
3. With two equivalent weighted sound pressure
levels, A and C.
4. Corresponsive rate select: FAST/SLOW
5. Maximum value locked.
6. Rrcord data in memory:16000 data, extended up
to 128000 data according to user's demand.
7. Infared interface for connecting with computer.
8. Computer software for data displaying and data
recording on a computer.
9. Clock and calendar function.
10. AC and DC analog signals output, which can be
linked to frequency analyzer or X-Y axis recorder.
11. Background light for working in the night. to save
power, the background light shines for 5 seconds,
then closes automatically.
12. Secondary plasticizing meter shell.
13. Good circuit designed to save power, the battery
can be used for a long time.

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IV. Specifications

Accuracy: $\pm 1.5\text{dB}$
Response frequency: 31.5Hz—8kHz
Dynamic range: 50dB
Frequency weighting: A/C
Time weighting: FAST 125ms, SLOW 1sec
Microphone: Electret Condenser microphone
Digital display: 4 digitals, resolution 0.1dB,
sampling rate 2 times/s
Analog bar display: Each analog bar is as 1dB,
sampling rate 20 times/s
Measurement ranges:30—80dB, 40—90dB,
50—100dB,60—110dB, 70—120dB,80—130dB.
Total of 6 ranges
Auto-range: Micro-computer can choose the best
measurement ranges
Over range indicator: UNDER(less than range)
and OVER (over range)
AC signal output:0.707 Vrms at FS (Auto-range
mode isn't included) Output impedance
approx. 600 Ω
DC signal output:10mV/dB Output impedance
approx.100 Ω
Power supply: Four LR03 AM4 1.5V SIZE AAA
alkaline cell
Power life: About >35hrs(alkaline cells)
Continuous operation
AC adapter: Voltage 9vDC
Voltage ripple <100mVpp
Supply Current >100mADC
Socket: pin Ground
Casing positive
External Diameter 3.5mm

