

Digital sound level meter

Operation manual

I Precautions:

Please read this operation manual carefully before using this equipment for correct operations. This equipment have been designed to meet the measurement requirement of Safety Engineers, Health, Industrial Safety offices and Sound Quality control in various environment. This unit was designed according to the IEC651 TYPE2& ANS S1.4 TYPE2 for sound level meters.

II Specifications:

Accuracy: ± 1.5 dB (under reference conditions)

Frequency range: 31.5 Hz~ 8.5K Hz

1) Dynamic characteristics: FAST, SLOW

2) Measuring range: 30~130 dBA,

Digital display: 5 digits

Resolution: 0.1dB

Sampling rate: 2times/s

Microphone: 1/2 inch condenser microphone

3) Max: Maximum hold

4) Power supply: 1*9V battery

5) Self-inspection time: 10 sec

6) Operating Temperature: 0°C to 40°C

Operating Humidity: 10% to 80% RH

7) Storage Temperature: 0°C to 60°C

Storage Humidity:10% to 70%RH

8) Dimensions: 130×57×30mm

9) Weight: approx. 173g(including battery)

III Calibration Procedures:

Please use a 94dB@1kHz Standard sound source.

Make the following settings:

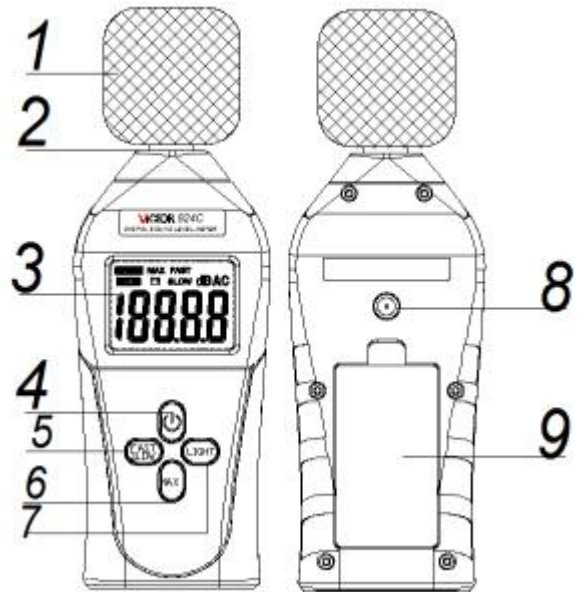
weighting: FAST

1) Insert the microphone carefully into the 1/2 inch hole of the standard sound source.

2) Turn on the 94dB@1kHz Standard sound source and adjust the Potentiometer in back top of the unit. The display will indicate the desired Level (94.0).

Our products are all well calibrated before Shipment.

Recommended recalibration cycle: 1 year.



IV Name and Functions:

1) sponge ball.

2) condenser microphone

3) LCD display.

4) Power switch

5) Time weighting select switch.

Fast: For normal measurements.

Slow: For checking average level of fluctuating noise.

6) Maximum value hold switch. (MAX)

7) Back Light Button Switch


8) Tripod mounting screw

9) Battery door

V Pre-operations:

1) Open battery door and install 9V battery in the battery compartment. Install battery door.

2)When the battery voltage drops below the operating

Voltage, “” mark appears . Please replaced with new one.

VI Operation direction:

1) Turn on power, LCD will show the current environment noise. And it is set FAST when you turn on the device every time.

2) If you need to use a SLOW mode, just press “FAST/SLOW” button.

- 3) When MAX mode is chosen. The instrument captures and hold the maximum noise level.
- 4) Press “LIGHT” to turn on the backlight, press it again, the backlight off.

IX Cautions

- 1) Do not operate the unit at high temperature and Humidity environment.
- 2) Please take out battery from unit if do not use it for a long time.
- 3) Once using the unit in the presence of wind, it is a must to mount the windscreen to not pick up undesired signals.
- 4) Operating Environmental condition:
Humidity \leq 80%RH
Height \leq 200 meters

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