



CABLEmatic

SOUND LEVEL METER

This SOUND LEVEL METER is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

TABLE OF CONTENTS

1. FEATURES	1
2. SPECIFICATIONS.....	1
3. FRONT PANEL DESCRIPTIONS...	3
4. MEASUREMENT PROCEDURE....	4
5. CALIBRATION.....	4
6. BATTERY REPLACEMENT.....	5
7. CONSIDERATIONS.....	5

1. FEATURES

- * Used the exclusive MICRO-COMPUTER LSI circuit and crystal time base to offer high accuracy measurement & fast measuring time.
- * Wide measuring range & high resolution.
- * Digital display gives exact reading with no guessing or errors.
- * The use of durable, long lasting components, including a strong, light weight ABS-plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand.
- * It meets requirements of IEC651 for type II sound level meter.

2. SPECIFICATIONS

Display: 10mm (0.4") LCD (Liquid Crystal Display).
Function: General sound level
Frequency range: 31.5Hz~8kHz
Measurement range: 35~130 dB (A)

Resolution: 0.1 dB
Detection characteristics:
Fast, slow and peak hold
Sampling Time: 0.1 second
Operating temperature: -10~50
Battery: 4x1.5v AA (UM-3) battery
Size: 212x69x32 mm
Weight: 300g/0.65 lb
(including batteries)
Accessories:
Carrying Case.....1pc.
Operation Manual.....1pc.

3. FRONT PANEL DESCRIPTIONS

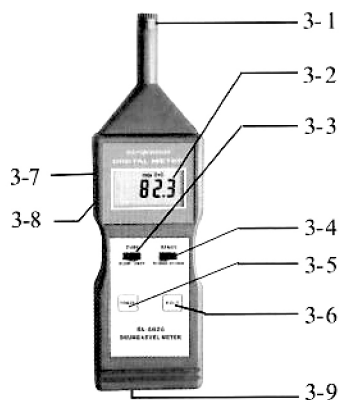


Fig.1

- 3-1 Microphone
- 3-2 Display
- 3-3 Fast-slow switch
- 3-3 Power switch
- 3-4 Range switch
- 3-5 Power key
- 3-6 Hold key

- 3-7 Calibration for high end (>95 dB)
- 3-8 Calibration for low end (<95 dB)
- 3-9 Battery compartment/cover

4. MEASURING PROCEDURE

- (1) Click the power key (Fig.1, 3-5) to turn on the power supply.
- (2) Set the Fast-slow switch (Fig.1, 3-3) to the right position.
- (3) The reading is the peak one if the symbol 'max' appears on the Display. The reading is an instant value if it does not show up. The appearance of symbol 'max' is controlled by depressing the HOLD key (Fig.1, 3-6) in the process of measurement.

5. CALIBRATION

- (1) The standard sound source is ND9 or ND6 sound level calibrator (not included)
- (2) When using the ND6 piston generator, which is a frequency of 250 Hz. Adjust the calibration resistance (Fig.1, 3-7)

to display 115.4 dB.

- (3) When using the ND9 sound level calibrator, which is a frequency of 1000Hz, adjust the calibration resistance(Fig.1, 3-8) to display 93.8.

6. BATTERY REPLACEMENT

- (1) When it is necessary to replace the battery, i.e. battery voltage less than approx. 5v, 'E-3' Will appear on the Display.
- (2) Slide the Battery Cover (Fig. 1, 3-9) away from the instrument and remove batteries.
- (3) Install 4x1.5v AA/UM-3 batteries correctly into the case.
- (4) If the instrument is not to be used for any extended period remove batteries.

7. CONSIDERATIONS

- (1) Do not attempt to dismantle the meter yourself. There are no user-serviceable parts inside.
- (2) Do not expose the meter to rain or spill beverage on it.