

⑥ Calibration control can be adjusted clockwise or counterclockwise to standard 94.0dB.

⑦ Output jack

Standard 3.5mm 3 pole coaxial output socket.

Serves to supply AC signals and log-converted DC signals to external equipment.

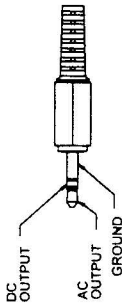
OUTPUTS : Two outputs can be accessed through 3.5mm stereo phone plug refer.

DC output : Logarithmic signal. 10mV/dB

Impedance $\leq 100\Omega$

AC output : approx. 0.65 Vrms corresponding to each range step.

Impedance $\approx 600\Omega$



⑧ Battery cover (on bottom)

⑨ Reset button:

Serves to reset the maximum level indication.

⑩ Tripod mounting screw

For long-term measurements, the unit can be mounted on a tripod. Use the tripod mounting screw provided on the bottom of the unit.

⑪ Windscreen

Strong wind striking the microphone can cause misreading.

For measurements in windy locations, the windscreen should be used.

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6. MEASUREMENT PREPARATION

- (1). **Battery Loading:**
Remove the battery cover on the back and put in one 006p 9V Battery.
Note : make sure the battery polarity is correct.
- (2). **Battery Replacement:**
When the battery voltage drops below the operating voltage, "BT" mark will appear in the display and, battery should be replaced with new one.

7. OPERATING PRECAUTIONS

- (1). Wind blowing across the microphone would bring additional extraneous noise. Once using the instrument in the presence of wind, it is a must to mount the windscreen in order not to pick up undesirable signals.
- (2). Calibrate the instrument before operation if the instrument not in use for a long time or operated at bad environment.
- (3). Do not store or operate the instrument at high temperature and humidity environment for a long period.
- (4). Keep microphone dry and avoid severe vibration.
- (5). Please take out the battery and keep the instrument in low humidity environment when not in use.

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LCD display Description

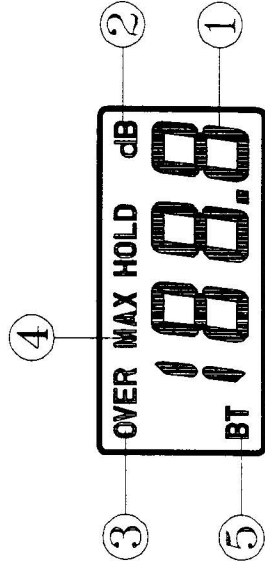
① Sound Pressure Level measuring value, resolution 0.1dB.

② Measuring unit

③ When readout is out of range.

④ MAX HOLD: Maximum hold.

⑤ BT: Low battery indicator.



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8. MEASUREMENT

- (1). Open battery cover and install a 9-volt battery in the battery compartment.
- (2). Turn on power and select the desired response and weighting. If the sound source consists of short bursts or only catching sound peak, set RESPONSE to FAST. To measure average sound level, use the slow setting.
Select A- weighting for general noise sound level and C-weighting for measuring sound level of acoustic material.
- (3). Hold the instrument comfortably in hand or fix on tripod and point the microphone at the suspected noise source, the sound pressure level will be displayed.
- (4). When MAX HOLD mode is chosen. The instrument captures and holds the maximum noise level for a long period.
a). Select response switch to "MAX HOLD" position.
b). Press "RESET" button to start maximum noise level measurement.
- (5). Turn OFF the instrument when not in use.

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5. CALIBRATION PROCEDURES

- (1). Using a acoustic calibrator
 - a). Make the following switch settings.
RANGE : Hi
RESPONSE : F
FUNCT : A
 - b). Insert the microphone carefully into the insertion hole of the calibrator.
 - c). Turn on the switch of calibrator and adjust the CAL screw of the instrument, until the level display indicates the desired level.
*Note: Our products are well calibrated before shipment.
Recommended calibrator cycle is one year.*
- (2). Calibration using the internal oscillator
 - a). Make the following switch settings.
RANGE : Hi
RESPONSE : F
FUNCT : CAL 94dB
 - b). Display will show $94.0 \pm 1.5dB$

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