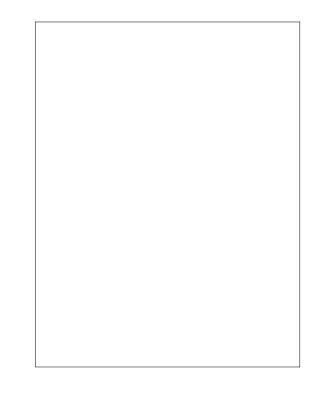
# SOUND CALIBRATOR

94 dB/114 dB, 2 ranges



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### 1. FEATURES

Standard 94 dB/1000 Hz & 114 dB/1000 Hz sound calibrator, useful to calibrate another "Sound Level Meter" precisely.

# 2. SPECIFICATIONS

Frequency	1000 Hz 2%	
Sound Pressure	94 dB 0.75 dB.	
Level	114 dB 0.9 dB.	
	* Spec. tested under the environment	
	RF Field Strength less than 3 V/M &	
	frequency less than the 30 MHz only.	
Suitable	1 " mic. & 0.5 " mic.	
Microphone	* 0.5" microphone is calibrated with 0.5"	
Туре	mic. adapter(standard acc.)	
Distortion	94 dB range harmonic distortion : 2 %.	
	114 dB range harmonic distortion : 5 %.	
Operating Temp.	0 蚓 to 50 蚓 (32 蚌 to 122 蚌).	
Power Supply	DC 9 V battery (006P, 6F22) x 2 PCs.	
	* Recommend use the Alkaline or Heavy	
	duty type battery.	
Power Consump.	Approx. DC 7 mA.	
Battery Check	Build in " Low Battery Indicator "	
Dimension	Dia 50 mm (round) x 145 mm (length).	
Weight	Approx. 350 g/0.77 LB	
	(include the batteries).	
Accessories	Instruction manual 1 PC.	
Included	0.5" mic. adapter 1 PC.	
	Adjust Screw Driver 1 PC.	
	Carrying case, CA-03 1 PC.	

# 3. FRONT PANEL DESCRIPTION

# Fig. 1

- 3-1 Couple Section
- 3-2 0.5" Mic. Adapter
- 3-3 Off/94 dB/114 dB Switch
- 3-4 Power/Low Battery Indicator
- 3-5 Battery Cover/Compartment

#### 4. CALIBRATION

1) If the calibrated " SOUND LEVEL METER " used the 0.5" microphone, then on the " Couple Section " (3-1, Fig. 1) should install the " 0.5" Mic. Adapter " (3-2, Fig. 1) first.

#### Consideration:

If the calibrated " SOUND LEVEL METER " used the 1 inch microphone, then on the " Couple Section " (3-1, Fig. 1) should take away the " 0.5" Mic. Adapter ".

- 2) Insert the microphone of calibrated " SOUND LEVEL METER " carefully all the way into the coupler section of the Sound Calibrator. (Refer to Fig. 2).
- 3) Set the calibrated " SOUND LEVEL METER " to a range suitable for measuring " 94 dB " or " 114 dB ".
- 4) Slide the "Off/94 dB/114 dB Switch " (3-3, Fig. 1) to "94 dB" position if the sound level meter intend to check or be calibrated on 94 dB value.

  Slide the "Off/94 dB/114 dB Switch " (3-3, Fig. 1) to "114 dB" position if the sound level meter intend to check or be calibrated on 114 dB value.

# A pure 1,000 Hz tone is produced.

5) Adjust the calibration VR ( knob ) of the calibrated " SOUND LEVEL METER " until that the display reach to 94.0 dB ( 114 dB ) exactly or the meter pointer points to the " CAL " mark. ( Refer Fig. 2 )

Fig. 2

#### **5. BATTERY CHECK**

Under the normal operation, slide " Off/94 dB/114 dB Switch " ( 3-3 , Fig. 1 ) to the " 94 dB " or " 114 dB " position, the " Power/Low Battery Indicator " ( 3-4, Fig. 1 ) will light up, then the battery voltage is normal.

If the "Battery Indicator "does not light up, then the batteries are under low voltage codition, it should replace the batteries.

#### 6. REPLACEMENT of BATTERY

- 1) Take away the "Battery Cover" (3-5, Fig. 1). Please refer to Fig. 3.
- 2) Remove the old batteries & replace the two new 9V batteries.
- 3) Make sure the battery is installed to the right position & connected to the proper polarization with the battery snap.
- 4) Reinstate the battery cover after changing the batteries.

Fig. 3