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1. FEATURES

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

2. SPECIFICATIONS

Frequency	: 1000 Hz \pm 5 %.
Sound Pressure Level	: 94 dB. \pm 0.8 dB.
Suitable Microphone	: 1 " mic. & 0.5 " mic. * 0.5" microphone is calibrated with 0.5" mic. adapter(standard acc.)
Type	
Distortion	: Total harmonic distortion : \leq 2 %.
Operating Temp.	: 0 °C to 50 °C (32 °F to 122 °F).
Power Supply	: DC 9 V battery (006P, 6F22) x 2 pcs.
Power Consump.	: Approx. DC 7 mA.
Battery Check	: Build in "Low Battery Indicator"
Dimension	: Main instrument — 131 x 68 x 25 mm (5.2 x 2.7 x 1.0 inch) Calibrator sensor — 35 mm dia.x48 mm (1.4" dia. x 1.9").
Weight (including bat.):	Approx. 350 g/0.77 lb
Accessories Included :	Instruction manual..... 1 pc. 0.5" mic. adapter..... 1 pc. DC 9 V battery..... 2 pcs. Carrying case. (CA-03)..... 1 pc.

5. BATTERY VOLTAGE CHECK

- (1) Slide the "OFF/BATT TEST/ON Switch"(3-5, Fig. 1) to the "BATT TEST" position.
- (2) If the "Battery Indicator"(3-4, Fig. 1) lights up, then the battery voltage is normal.
- (3) If the "Battery Indicator" does not light up, then should replace the batteries.

6. REPLACEMENT of BATTERY

- (1) Loose the Bottom Case cover screws (Refer Fig. 3), take the front cover away from the instrument.
- (2) Remove the old batteries & replace the two new 9V batteries(006 P).
- (3) Refer Fig. 4, to make sure the battery is installed to the right position & connected to the proper polarization with the battery snap.
- (4) Make sure that the whole case is scoured with the screws after changing the batteries.

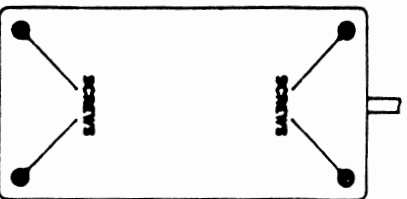


Fig. 3

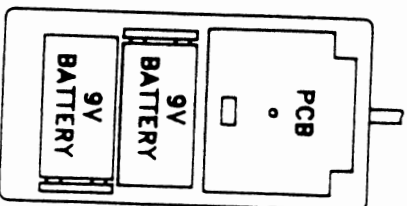


Fig. 4

3. FRONT PANEL DESCRIPTIONS

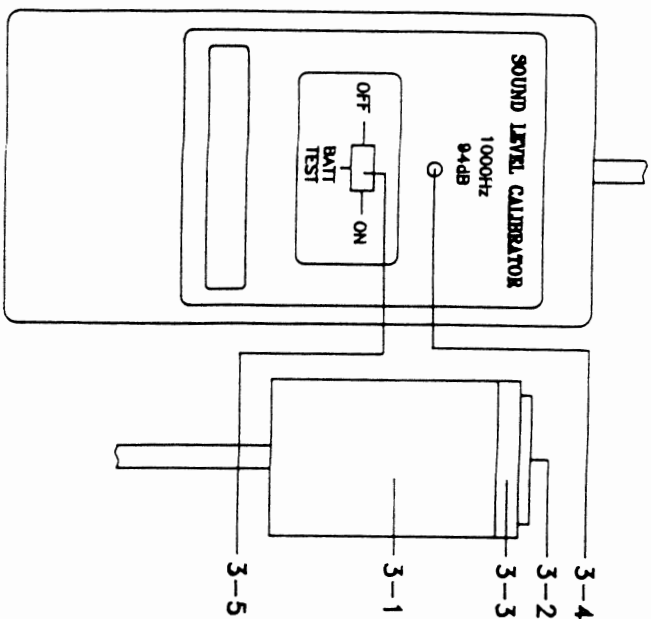


Fig. 1

- 3-1 Calibrator Sensor
- 3-2 Couple Section
- 3-3 0.5" Mic. Adapter
- 3-4 Battery Indicator
- 3-5 OFF/BATT TEST/ON Switch

4. CALIBRATION

- (1) If the calibrated "SOUND LEVEL METER" used the 0.5" microphone, then on the "Couple Section" (3-2, Fig. 1) should install the "0.5" Mic. Adapter" first.
- (2) Insert the microphone of calibrated "SOUND LEVEL" carefully all the way into the coupler section of the SC-940. (Refer to fig. 2)
- (3) Set the calibrated "SOUND LEVEL METER" to a range suitable for measuring "94 dB"
- (4) Set the "OFF/BATT TEST/ON Switch" (3-5, Fig. 1) to "ON" position.

A pure 1,000 Hz tone is produced.

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

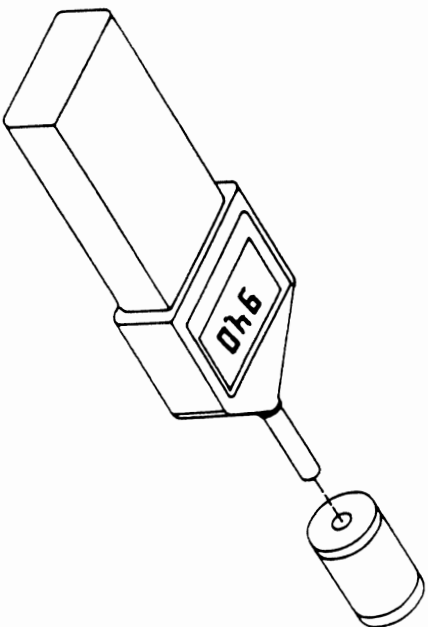


Fig. 2