

# **SOUND METER**

840005

Instruction Manual

SPER  
SCIENTIFIC

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**Introduction:** Use to measure sound levels in the workplace, environmental noise pollution, QC inspection of products, background sounds, traffic and more. Uses the "A" decibel frequency weighting. CE Approved.

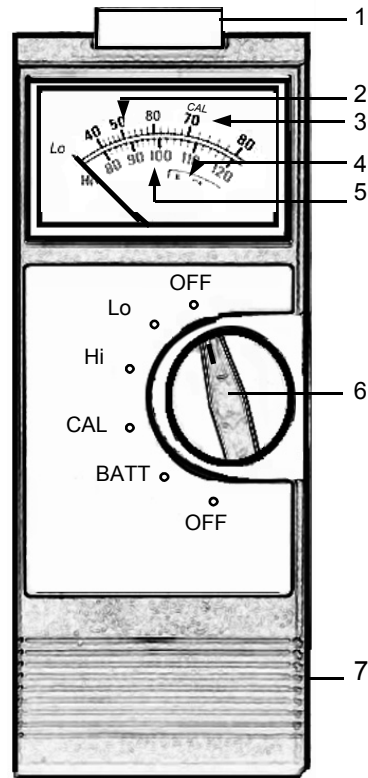
**Operating Procedures:**

- Sound Measurement: Set the DIAL to either Lo or Hi and read your results on the matching scale.
- Battery Check: Set the dial to BATT. If the reading is not in the B. OK zone, replace the battery with a new 9V battery.
- Internal Calibration: Set the DIAL to CAL and use a small screwdriver to turn the CAL ADJ calibration screw until the indicator points to CAL 70 dB.

**Tips on Measuring Sound:**

- From Objects: Place the meter 40" from the source.
- Traffic Sounds: Place the meter 40~60" above ground level.
- Indoor Sounds: Place the meter in the center of the room.
- Intermittent Sounds: Record the highest value at each occurrence and compute the average.
- Fluctuating Sound: Record several measurements and compute the average.

### Panel Description:



1. SENSOR
2. LOW VALUE SCALE 40~80 dB
3. CAL 70 dB
4. BATTERY CHECK
5. HIGH VALUE SCALE 80~120dB
6. DIAL
7. CAL ADJ (calibration screw is located inside the battery compartment)

**Specifications:**

Dimensions	6 1/4 x 2 1/2 x 1 1/2" 16 x 6.4 x 4 cm
Weight inc. battery	7.1 oz, 202 g
Ranges	40 ~ 80 dB, 80 ~ 120 dB
Microphone	Capacitance
Accuracy	±3 dB
Calibration	Signal Oscillator
Power	One 9V battery

**5 YEAR METER WARRANTY**

Sper Scientific warrants this product against defects in materials and workmanship for a period of five (5) years from the date of purchase, and agrees to repair or replace any defective unit without charge. If your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover probes, batteries, or damage resulting from accident, misuse, or abuse of the product. In order to obtain warranty service, simply ship the unit postage prepaid to:

SPER SCIENTIFIC LTD.  
7720 E Redfield, Suite 7, Scottsdale, AZ 85260,  
480/948-4448, [info@sperscientific.com](mailto:info@sperscientific.com)  
[www.sperscientific.com](http://www.sperscientific.com)

The defective unit must be accompanied by a description of the problem and your return address. Register your product online or return your warranty card within 10 days of purchase.