

Owner's Manual



Personal Sound Level Meter

Model 82016



CAUTION: Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product.

- Safety
- Operation
- Maintenance
- Español

ONE YEAR FULL WARRANTY

CRAFTSMAN ONE YEAR FULL WARRANTY

FOR ONE YEAR from the date of purchase, this product is warranted against defects in material or workmanship. A defective product will be replaced free of charge.

For warranty coverage details to obtain free replacement, visit the web site: www.craftsman.com

This warranty is void if this product is ever used while providing commercial services or if rented to another person.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears Brands Management Corporation, Hoffman Estates, IL 60179

**For Customer Assistance Call 9am-5 PM (EST)
Monday through Friday 1-888-326-1006**

SAFETY INSTRUCTIONS



Read the safety information carefully before attempting to operate or service the meter. Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

Environmental Conditions

- Altitude up to 2000 meters
- Relative Humidity: 90% max.
- Operating Temperature: 32 to 104°F (0 to 40°C)

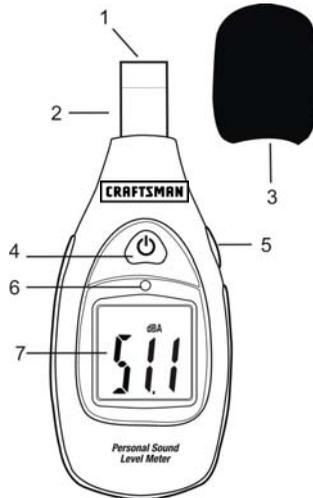
SPECIFICATIONS

Display	4-digit (4000 count) backlit LCD
Display update rate	0.5 seconds
Microphone	0.5" Electret condensor
Measurement Bandwidth	31.5Hz to 8KHz
Measurement Range	40 to 130dB
Frequency weighting	'A' (dBA)
Accuracy / Resolution	± 3.5dB (under 94dB reference conditions) / 0.1dB
Response time	125 milliseconds
Power	9V Battery
Battery life	50 hours (typical); low battery indicator alerts user
Automatic power off	After approx. 15 minutes of inactivity
Operating temperature	32 to 104°F (0 to 40°C)
Operating humidity	10 to 90% RH
Storage temperature	14 to 140°F (-10 to 60°C)
Storage humidity	10 to 75% RH
Dimensions/weight	8.3 x 2.2 x 1.3" (210 x 55 x 32mm) / 4.8oz (135g)
Approvals	CE

METER DESCRIPTION

1. Microphone sensor
2. Microphone chassis
3. Removable windscreen
4. Power switch
5. MAX-MIN button
6. LCD Backlight sensor
7. LCD Display

Battery compartment and tripod mount are located on rear of instrument



OPERATING INSTRUCTIONS

MEASUREMENT CONSIDERATIONS

1. Wind blowing across the microphone increases the noise measurement. Use the supplied windscreen to cover the microphone when applicable.
2. Calibrate the instrument before each use if possible. Especially if the meter has not been used for a long period of time.
3. Do not store or operate the instrument in areas of high temperature or humidity.
4. Keep meter and microphone dry.
5. Avoid severe vibration.
6. Remove the battery when the meter is to be stored for long periods of time.

OPERATION

1. Power the meter by pressing the power button. The meter will begin displaying sound level readings. If the LCD does not switch on, check the 9V battery located in the rear battery compartment.
2. Hold the meter facing the microphone toward the source of the sound to be measured. For tripod use, the meter includes a tripod mount on the rear side of its housing.
3. View the measurement on the meter's LCD. An indication of **OVER** means that the measurement exceeds 130dB.
4. The meter automatically switches off after 15 minutes of inactivity to conserve battery energy. Press the power button to switch the instrument on again.

'A' Frequency Weighting

With 'A' weighting, the frequency response of the meter is similar to the response of the human ear. 'A' weighting is commonly used for environmental or hearing conservation programs such as OSHA regulatory testing and noise ordinance law enforcement.

Fast Response Time

The meter has a fast response time of 125 milliseconds (ms) in order to capture noise peaks and noises that occur very quickly.

Over Range Alarm (OVER)

If the measurement exceeds 130 dB, the display indicates OVER. To avoid damage to the meter, do not continue to use the meter in an environment where the sound measured exceeds 130dB.

MAX-MIN HOLD

In this mode, the meter only updates the LCD reading when a higher reading (MAX mode) or lower reading (MIN mode) is detected. Select MAX HOLD by momentarily pressing the MAX-MIN button. The meter displays the MAX icon when in the MAX HOLD mode. Press the MAX-MIN button again to enter the MIN mode (the MIN icon will display). Press and hold the MAX-MIN button to exit this mode (the MAX-MIN indicators will switch off).

Backlit LCD Display

The LCD is equipped with backlighting for easier viewing, especially in dimly lit areas. The backlight automatically switches on and off based on ambient light conditions. The backlight sensor located just above the LCD display and just below the power button senses ambient light conditions.

BATTERY REPLACEMENT

When the low battery icon **BAT** appears on the LCD replace the 9V battery as soon as possible. The battery compartment cover is located on the rear of the meter. Slide the battery compartment cover off, change the battery, and replace the compartment cover.

TROUBLESHOOTING

There may be times when your meter does not operate properly. Here are some common problems that you may have and some easy solutions to them.

Meter Does Not Operate:

1. Always read all the instructions in this manual before use.
2. Check to be sure the battery is properly installed.
3. Check to be sure the battery is good.

If You Do Not Understand How the Meter Works:

Call our Customer Service Line **1-888-326-1006**.

SERVICE AND PARTS

For replacement parts shipped directly to your home

Call 9 am – 5 pm Eastern Time, M - F

1-888-326-1006