



INSTRUCTION SHEET FOR NOISE MEASUREMENT

Carefully read all instructions and warnings before recording noise data.
Call QRDC at 952-556-5205 between 9:00 am and 5:00 pm CST if further clarification is needed.

Customer Information					
Name:	<input type="text"/>	Phone:	<input type="text"/>		
Address:	<input type="text"/>	Email:	<input type="text"/>		
City:	<input type="text"/>	State:	<input type="text"/>	Zip:	<input type="text"/>

PACKAGE CONTENT		
Note: Inspect the package as soon as it is received. If you find any damage, notify the delivering carrier immediately and contact QRDC. Carriers have the right to refuse claims for damage if it's not promptly identified.		
1. Noise Measurement Unit	3. Data Logging Form	5. Return Label
2. Instruction Sheet (this document)	4. Packaging Material	6. Cover Letter

This packet contains instructions for using the QRDC Noise Monitoring Kit. When you ordered the kit, you selected specific services that are offered with the unit. For each service ordered, utilize the corresponding instruction sheet included here.

Also included in this package are data logging forms. All information that you record should be on these forms. Please fill out a separate form for each noise issue that you have, and write legibly. Additional forms have been included so that you can re-write a logging form if necessary.

Please see the attached example forms to get a clear understanding of what is expected of you, the customer, in order for your data to be properly analyzed.

WARNING AN INHERENT DANGER EXISTS WITH HIGH SOUND LEVEL and may require hearing protective aid. If any such conditions exist that may jeopardize the safety of yourself or others or if you are unsure about proper equipment use, **DO NOT USE THE EQUIPMENT** and call QRDC at 952-556-5205. **FAILURE TO COMPLY WITH THESE SAFETY INSTRUCTIONS OR THOSE OF OSHA AND YOUR FEDERAL, STATE OR LOCAL GOVERNMENTS, MAY RESULT IN HEARING LOSS.** QRDC accepts no liability for failure to comply.

DISCLAIMER: QRDC, Inc. assumes no liability, either expressed or implied, through recommended actions. All events subsequent to recommendations are the responsibility of the client, and not QRDC, Inc.

The results obtained by use of QRDC's Noise Monitoring Kit are subject to the quality of collected data. Due to uncontrolled environmental conditions, QRDC offers no guarantee that conclusive results will be achieved. QRDC will provide the customer with analysis of the collected data and corresponding conclusions and results based on the collected data and requested services. In the event that the analysis does not yield conclusive results, the customer will NOT be refunded any payments for services.

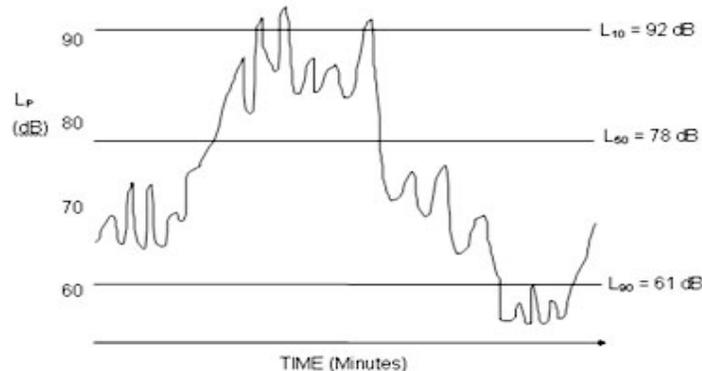


Advanced Services

□ **L₁₀, L₅₀, L₉₀, L₉₅ (Service Code 204)**

L_n, where n may be anything from 1 to 99, is that noise level exceeded for n% of the measurement time.

An example of how L_n values look in a graphical format:



L₁₀ is the noise level exceeded for 10% of the time of the measurement duration. This is often used to give an indication of the upper limit of fluctuating noise, such as that from road traffic.

L₅₀ is the noise level exceeded for 50% of the measurement duration. It is the middle point and has been incorporated in some American Community Noise Assessments.

L₉₀ is taken to be the ambient or background noise level as used.

For each location that you would like to collect data, please follow the below procedure:

1. Turn on the recording device by pressing and holding the “PWR” button on the side of the data collector for 3-5 seconds. The display should light up orange.
2. Identify the location of interest (likely the place where you hear the loudest noise). Place the data collector on a flat and stable surface. If you know what the source of the sound is, aim the recording device (metal mesh) at the source, about 1 meter away. If you are in a room and don’t know where or which direction the noise comes from, place the data collector at the center of the room.
3. Press the SPL button and record the reading on the log sheet.
4. Record the date, time, and location on the log sheet.
5. Press the “REC” button and write down the name of the current record file on the log sheet.
6. Press the “REC” button once more, allow data collector to record for _____ minutes hours.
7. When the above time has elapsed, press the “STOP” button.
8. Rotate the data collector 90° clockwise.
9. Repeat steps 4-8 three (3) times for a total of four (4) measurements.
10. To shut down the sound level display (right), hold down the “SPL” button until the screen reads “OFF”. To shut down the sound recorder (left), hold down the “PWR” button until the screen turns off.