

Decibel meter exercise

Science of Acoustics

Name: _____

This is a relatively easy exercise that will let you practice making some measurements of the sound intensity for different environments.

Use either an analog meter (checked out with ID) or a downloadable dB meter app and measure some intensity levels. Some examples could be the traffic outside, an “L” train, the library, a café, etc. One of these sounds must be as quiet as possible (~50 dB if possible) and another must be as loud as possible (90+ dB if you can – be careful!)

I used an app / analog meter (circle one). Complete the following table:

Location of sound source	Name of sound source and your distance from it in meters (you can estimate)	Intensity in dB

Return any meters you’ve checked out and be back to class with five minutes left for wrapup.