

ECE231 Lab Assignment #8.3
Due: 11:59 pm, Saturday 5/11/14
Version 1.1

Problem statement: Design and build an embedded system that measures object distance using the HC-SR04 ultrasound device. Indicate object range using the 0.96" OLED display with a resolution of 1 cm.

Use the following specification:

1. Your system shall measure the range (distance) to objects placed >5 cm and <200 cm from the ultrasound sensor.
2. The system shall display range in both cm and inches on the OLED display.

What to submit:

- Video demonstrating a functioning system meeting specifications.
- Your source code .c file

This is version 1.1 of this document. Updated 4/9/24 by D. McLaughlin