Lab 1 Rubric

The following outlines the major expectations for the lab reports and the breakdown of mark allocation

Sensor Measurements	Mark Allocation	Criteria
Short Range	0.5	Measurements should match operating range and be of reasonable quality and quantity
Medium Range	0.5	
Long Range	0.5	Figures should be clear, readable, have appropriate labels, and have a caption
Data Analysis		
Short Range	0.5	Analysis should identify the key statistical values and provide reasonable discussion about their impacts
Medium Range	0.5	
Long Range	0.5	
Comparison	0.5	
Data Sheet Comparison		
Describe Similarities and differences	0.5	Explanations should be correct and reasonable
Explanation of differences	0.65	
Probability Analysis		
Short Range	0.25	Histograms should correctly match the data and be of the proper distribution. Any variances should be explained.
Medium Range	0.25	
Long Range	0.25	
Histogram Discussion	1.5	Inverse equation should be accurate and computationally feasible.
Inverse Equation	0.1	
Two Sensor Implementation		
Two Sensor Discussion	2	Discussions of multiple sensor should be accurate and consistent with the operation of the sensor and configuration
Different Sampling Rates		
Different Sampling Rate Discussion	0.5	Discussion of impacts of sampling rates should be accurate
Other Conditions		
Discussion on other conditions	0.5	Results and analysis should be consistent with how the sensor changes