

AME 21216 – Tech Memo Score Sheet

A9 – Practical Implementation of Sensors

NDID#: _____

Lab Section (Day/time): _____

For more details on any of the items below, please refer to the lab handout.

Item and Description	Points Awarded	Possible Points
Technical Writing – Please address the “talking points” in your captions and paragraphs		5
Plot of linear calibration data mass vs. voltage for the cantilever beam		3
Equation of best fit for the linear calibration of mass vs. voltage of the cantilever beam*		1
Plot of measured mass vs. number of ping pong balls with linear curve fit		3
Estimated mass of a single ping pong ball compared with value from reference*		1
Table containing the photocell voltages for the different colored balls and the empty cup		3
Plot of the photocell output voltage vs. time for several periods of oscillation for PS3 fan		4
Plot containing temperature vs. time for (on left scale) and fan speed vs. time (on right scale) (Use ‘yyaxis’ or ‘plotyy’ command in Matlab)		5
TOTAL		25

*These should go in the paragraphs corresponding to the respective plots.