AME 21216 –Score Sheet

A4 – Sensor Calibration

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 – Using the correct format, please address all questions from the lab handout in the paragraphs.		3
Table containing RTD voltage, current, and resistance at both temperatures		2
Table containing RTD measured parameters R_0 and α_T with manufacturer's parameters		3
Plot of pressure P vs. transducer voltage V_{out}		3
Calibration equation for pressure transducer		2
Sensitivity coefficient for pressure transducer (check units)		1
Plot of air speed u vs. flow rate Q with theoretical curve		4
TOTAL		18

Guidelines for Deliverables

- Use a 12 point "serifed" font such as Times New Roman.
- Document should be double-spaced.
- Document should have 1" margins in all directions.
- Page numbers are required centered at bottom of screen.
- Equations must be numbered.
- All variables must be italicized.
- All variables in an equations must be defined (i.e. "where c is the speed of sound").
- Plots should always have axes clearly labeled with units.
- Plots should always be centered with captions beneath labeled Fig. 1, etc.
- Tables should always be centered with captions above labeled Table 1, etc..
- Captions should be the same font as the rest of the document.
- References should follow the ASME format.
  (https://www.asme.org/shop/proceedings/conference-publications/references)