

AME 21216 – Score Sheet

A1 – Metersticks

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, address all questions from the lab handout in the paragraphs.		3
Photo of parabolic fountain jet with dimensions superimposed in <i>symbolic</i> form (i.e. R and H)		4
Equations for initial velocity components in terms of parabola dimensions (make sure the notation matches the symbols on the photo)		2
A table containing: <ul style="list-style-type: none">• Values for the physical dimensions of the parabolic fountain jet• Fountain initial velocity x-component v_{x0}• Fountain initial velocity y-component v_{y0}• Estimated stagnation pressure inside fountain nozzle• Typical household water pressure from a cited reference		5
TOTAL		14

Technical Writing

- Include a *brief* summary of the procedure.
- Discuss the results using college-level English.
- Answer the suggested talking points at the end of the lab handout.
- Do *not* write a first-person narrative. Rather, write it as a declaration of objective observations, scientific facts, and logical deductions.

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”).
- Theoretical curves should always be smooth and continuous.
- Measured data should be individual markers. If there are more than 20 measured data points, you connect them or use a continuous line.
- 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..**
- **Tables should be black text on white background with the same font as the rest of the document.**
- Captions should be the same font as the rest of the document.
- NO TITLES ON GRAPHS

References – Tech memos must include 2 references. These can be data sheets from the lab website, articles from the internet, the textbook, etc. References should follow the ASME format. (<https://www.asme.org/shop/proceedings/conference-publications/references>)