

Air Meter Calibration Worksheet

Equipment ID:	_____	Date:	_____
Manufacturer:	_____	Performed By:	_____
Model #:	_____	Last Calibration:	_____
Serial #:	_____	Next Calibration Due:	_____
Storage Location:	_____		

Calibration Item: Check critical dimensions of measuring bowl, verify expansion factor and pressure gauge readings

Calibration Procedure: In-House Procedure for Verifying Air Meter

Calibration Equipment: Ruler readable to 1/16 inch (1 mm) or better

Critical Dimensions	Measurement	Tolerance	Pass / Fail	
Measuring Bowl Diameter	_____	-		
Measuring Bowl Height	_____	-		
Diameter/Height Ratio	_____	0.75 to 1.25	☐ Pass	☐ Fail
Measuring Bowl Volume	_____	at least 0.20 ft ³ (5.7 L)	☐ Pass	☐ Fail

Mass of Water to fill
Density Measure, *W* _____ (see *Density Measure Worksheet*)

Mass of Water to fill
Standardization Vessel, *w* _____

Effective Volume of
Standardization Vessel, *w/W* _____

Expansion Factor (IP)

Initial Pressure _____

Final Pressure _____ should be 0 % ☐ Pass ☐ Fail

Pressure Gauge

Initial Pressure _____

% Water Removed _____ normal range of use

Gauge Reading _____ ± 0.1 % of water removed ☐ Pass ☐ Fail

Pass / Fail _____

Initial By _____