

Discipline Function		TAB Required Instrumentation (Effective January 1, 2019)						NOTES	Calibration requirements
		RANGE		ACCURACY		RESOLUTION			
Air	Air Pressure	0 in wg to 10 in wg	2% of reading ± 0.001 in wg	0.001 in wg < 1 in wg	0.01 in wg > 1 in wg		12 Months		
		0 Pa to 2500 Pa	2% of reading ± 0.25 Pa	0.10 Pa < 250 Pa	10 Pa > 250 Pa				
	Air Velocity Instrument	100 fpm to 3500 fpm	± 5% of reading ± 7 fpm	1 fpm		12 Months			
		0.50 m/s to 20 m/s	± 5% of reading ± 0.04 m/s	0.01 m/s					
Digital Direct Reading Hood	100 cfm to 2000 cfm	± 5% of reading ± 7 cfm	1 cfm		12 Months				
	50 l/s to 1000 l/s	± 5% of reading ± 4 l/s	1 l/s						
Temperature	Air Meter with probe	-20 °F to 200 °F	± 0.5% of reading + 2.0 °F	0.1 °F		12 Months			
		-30 °C to 100 °C	± 0.5% of reading + 1.0 °C	0.1 °C					
	Contact Meter with probe	-20 °F to 200 °F	± 0.5% of reading + 2.0 °F	0.1 °F		12 Months			
		-30 °C to 100 °C	0.5% of reading + 1.0 °C	0.1 °C					
Immersion Meter with probe	-20 °F to 200 °F	± 0.5% of reading + 2.0 °F	0.1 °F		12 Months				
	-30 °C to 100 °C	± 0.5% of reading + 1.0 °C	0.1 °C						
Humidity	Humidity Meter (w/Probe)	10 % RH to 90 % RH	3% RH	1%		12 Months			
Electrical	Amperage Measurement	0.1 AC Ampere to 100 AC Amperes	2% of reading ± 5 digits	0.1 AC Ampere		12 Months			
	Voltage Meter - True RMS	1 VAC to 600 VAC	2% of reading ± 5 digits	1 Volt		12 Months			
Rotation	Rotation Measurement	60 rpm to 5000 rpm	2% of reading ± 2 rpm	1 rpm		12 Months			
Hydronic	Pressure Measurement	0 psi to 200 psi	2% of reading ± 1 psi	0.01 psi		12 Months			
		0 kPa to 1400 kPa	2% of reading ± 7 kPa	0.1 kPa					
	Δ Pressure measurement	0 psi to 75 psi	2% of reading ± 1 psi	0.01 psi		12 Months			
		0 kPa to 520 kPa	2% of reading ± 7 kPa	0.1 kPa					
NOTES									
*1 CPT Option - choose only Option 1 OR Option 2 - along with required instrument for CPT certification (All instruments in any of the chosen is required)									
*2 FHT Orifice Calibrator - Choose only one									
*3 Refer to Appendix A for complete instrumentation requirements for Sound Measurement (SM)									
*4 Firms may own or rent vibration equipment instrumentation for vibration certification.									
*5 Calibration Requirement: Data logger calibration may be verified from a calibrated instrument with an associated calibration form showing calibration readings from both the calibrated instrument and the data logger. If a data logger is out of calibration and cannot be adjusted, the logger must be sent back to the factory for re-calibration or be replaced									
General Note: Some local jurisdictions require qualified electrician for any electrical readings									
Calibration Requirement		Instruments require NIST Traceable calibration or National Metrology Institutes (NMI) which exist in many countries maintaining primary measurements of standards; such as NPL in the UK, PTB in Germany and many others which are approved for those regions.							