

Discipline Function		BSC 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, if req'd)	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						
<p>NOTES</p> <p>*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)</p> <p>*2 FHT Orifice Calibrator - Choose only one</p> <p>*3 Refer to Appendix A for complete instrumentation requirements for Sound Measurement (SM)</p> <p>*4 Firms may own or rent vibration equipment instrumentation for vibration certification.</p> <p>*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</p> <p>General Note: Some local jurisdictions require qualified electrician for any electrical readings</p> <p>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</p>										