

Discipline Function		BSC Required Instrumentation (Effective January 1, 2019)																	
		RANGE					ACCURACY					RESOLUTION					Notes	Calibration Requirements	
Air	Air Pressure	0	in wg	to	10	in wg		2%	of reading	±	0.001	in wg	0.001	in wg	<	1	in wg		12 Months
													0.01	in wg	>	1	in wg		
	Air Velocity Instrument	0	Pa	to	2500	Pa		2%	of reading	±	0.25	Pa	0.10	Pa	<	250	Pa		12 Months
													10	Pa	>	250	Pa		
Digital Direct Reading Hood	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						
		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%	of reading				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.																			