

Discipline Function		BET 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							0.10	Pa	<	250	Pa		
	0	Pa	to	2500	Pa	±	2%	of reading	±	0.25	Pa	10	Pa	>	250	Pa			
	0.10	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					
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					
BET / RCx Instruments	Temp Documentation Thermal Camera	-4	°F	to	450	°F	±	2%		or	3.6	°F	0.1 @ 86 °F	&	160 x 120		Per Manufacturer's Requirements		
		-20	°C	to	232	°C	±	2%		or	-15.7	°C	0.1 @ 30 °C	&	160 x 120				
BET Instruments	Test Fan w/digital pressure flow measurement system	Not Applicable					±	4%	of reading				Orifice Plate or Nozzle						Per Manufacturer's Requirements
NOTES *1 CPT Option - choose only Option 1 <u>OR</u> 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.																			