

Discipline Function		FHT Required Instrumentation (Effective January 1, 2019)				NOTES	Calibration requirements
		RANGE	ACCURACY	RESOLUTION			
Air	FHT Air Velocity		25 fpm to 2500 fpm	± 3% of reading ± 3 fpm	1 fpm		12 Months
			0.10 m/s to 12.7 m/s	± 3% of reading ± 0.02 m/s	0.01 m/s		
FHT Instruments	Tracer gas Detector		Minimum detection range: 0.01 PPM Minimum response time: 1 second The units shall be configured to measure sulfur hexafluoride (SF6), or other approved tracer gas, and display in concentration measurement units (PPM)	± 10% of reading or 0.025 ppm whichever is greater	0.01 ppm		12 Months
	Detection Calibrator		Device used to calibrate the detection instrument in accordance with the manufacturer's specifications.	Not Applicable	Not Applicable		12 Months When Required
	Local Challenge Source		Device that can generate a small relatively neutrally buoyant smoke, discharging with minimal velocity.	Not Applicable	Not Applicable		Not Required
	Large Challenge Source		Device that can generate a large relatively neutrally buoyant smoke, discharging with minimal velocity.	Not Applicable	Not Applicable		Not Required
	Ejector w/critical orifice		Shall conform to the requirements as indicated in the current edition of NEBB FHT PS. See appendix D for instrument specifications	Not Applicable	Not Applicable		Not Required
	Orifice Calibrator	Flow Meter	0 l/m to 10 l/m	± 3%	0.1 l/m		Not Required
		Mechanical Device	0 l/m to 15 l/m	± 0.1 l/m	0.1 l/m	*2	12 Months
	Tracer Gas		Sulfur Hexafluoride Commercial grade (Minimum purity of 99%) or approved replacement gas	Not Applicable	Not Applicable		SDS Required
Mannequin		A three dimensional mannequin (torso) with arms and shall be of reasonable human proportions and be clothed with a lab coat. The height must be adjustable to meet the height requirements of the various hood configurations; i.e. standard bench hood, ADA height, floor mounted, etc. Probe shall be placed in the normal breathing zone based on the various heights.		Not Applicable		Not Required	
<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 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.</p>							