

| Discipline Function | | TAB 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 | 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% | 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. | | | | | | | | | | | | | | | | | | | |