

| Tool | Description | Manufacturer | P/N | Qty |
|------|-------------|--------------|-----|-----|
|------|-------------|--------------|-----|-----|

**Airflow Meters**

|  |   |                     |                   |   |
|--|---|---------------------|-------------------|---|
| Alnor EBT731 Balometer                     | Electronic air balancing instrument                     | Alnor               | EBT731            | 3 |
| DG-500 Digital Pressure Gauge              | Pressure gauge  | Energy Conservatory | DG-500            | 1 |
| Dwyer Digital Manometer                    | Digital manometer 0-4.00" w.c., air velocity/flow modes | Dwyer               | 477AV-00          | 1 |
| Dwyer Digital Manometer                    | Digital manometer 0-1.00" w.c., air velocity/flow modes | Dwyer               | 477AV-000         | 1 |
| Environmental Meter Vane Thermo-anemometer | 11-in-1 Hygro-Thermo-Anemometer with light sensor       | Extech              | EN100             | 2 |
| Fluke 922 airflow meter                    | Airflow meter   | Fluke               | Fluke 922         | 2 |
| Fluke 975 airflow meter                    | Airflow meter   | Fluke               | Fluke 975V        | 1 |
| Integral Vane Digital Anemometer           | Digital anemometer                                      | Dwyer               | DFM 8904          | 1 |
| Shortridge ADM-880C Airflow Meter          | Airflow meter   | Shortridge          | M15342            | 1 |
| Shortridge Flowhood                        | Shortridge flowhood                                     | Shortridge          | #8403             | 1 |
| Thermo-Anemometer with IR Thermometer      | Measures air flow/velocity plus ambient or surface temp | Extech              | HD300             | 1 |
| TSI 9545-A Air Velocity Meter              | Velocity meter  | TSI                 | VelociCalc 9545-A | 1 |

**CO Loggers**

|   |  |          |                  |   |
|---|--|----------|------------------|---|
| CO Logger                               | CO logger  | Dwyer    | DW-USB-5-LR      | 5 |
| Handheld Particle Counter and IAQ meter | Measures carbon monoxide, relative humidity, etc | GrayWolf | DirectSense II-8 | 1 |
| IAQ meter and Handheld Particle Counter | Measures carbon monoxide, relative humidity, etc | GrayWolf | DirectSense II-8 | 1 |

**CO Meters**

|   |  |           |                  |   |
|---|--|-----------|------------------|---|
| Fluke 975 airflow meter                 | Airflow meter                                    | Fluke     | Fluke 975V       | 1 |
| Carbon Monoxide Meter                   | Carbon Monoxide Meter                            | Extech    | C010             | 1 |
| Handheld Particle Counter and IAQ meter | Measures carbon monoxide, relative humidity, etc | GrayWolf  | DirectSense II-8 | 1 |
| IAQ meter and Handheld Particle Counter | Measures carbon monoxide, relative humidity, etc | GrayWolf  | DirectSense II-8 | 1 |
| Portable Combustion Analyzer            | Combustion analyzer                              | Bacharach | PCA3             | 1 |

**Co<sub>2</sub> Meters**

|  |   |          |                  |   |
|--|---|----------|------------------|---|
| CO <sub>2</sub> Logger - Desktop                         | CO <sub>2</sub> Logger                              | Extech   | Extech CO210     | 5 |
| Fluke 975 airflow meter                                  | Airflow meter                                       | Fluke    | Fluke 975V       | 1 |
| Handheld Particle Counter and IAQ meter                  | Measures carbon monoxide, relative humidity, etc    | GrayWolf | DirectSense II-8 | 1 |
| IAQ meter and Handheld Particle Counter                  | Measures carbon monoxide, relative humidity, etc    | GrayWolf | DirectSense II-8 | 1 |
| Vaisala Temperature/Humidity/CO <sub>2</sub> meter/probe | Temperature, humidity, co <sub>2</sub> meter, probe | Vaisala  | Vaisala HM70     | 1 |

**Co<sub>2</sub> Loggers**

|  |   |          |                  |   |
|--|---|----------|------------------|---|
| CO <sub>2</sub> Logger - Desktop                         | CO <sub>2</sub> Logger                              | Extech   | Extech CO210     | 5 |
| Handheld Particle Counter and IAQ meter                  | Measures carbon monoxide, relative humidity, etc    | GrayWolf | DirectSense II-8 | 1 |
| IAQ meter and Handheld Particle Counter                  | Measures carbon monoxide, relative humidity, etc    | GrayWolf | DirectSense II-8 | 1 |
| Telaire Carbon Dioxide/Temperature Monitor               | Handheld carbon dioxide sensor                      | Telaire  | 7001             | 6 |
| Vaisala Temperature/Humidity/CO <sub>2</sub> meter/probe | Temperature, humidity, co <sub>2</sub> meter, probe | Vaisala  | Vaisala HM70     | 1 |

**Conductivity**

|                        |   |        |       |   |
|------------------------|---|--------|-------|---|
| Conductivity/TDS Meter | Compact Conductivity/TDS Meter Features | Extech | EC210 | 1 |
|------------------------|---|--------|-------|---|

**Contact Loggers**

|                     |   |      |                        |    |
|---------------------|---|------|------------------------|----|
| State on/off logger | Measures time of external relays & switches | DENT | Contact Logger TOUC-4G | 25 |
|---------------------|---|------|------------------------|----|

**Data Logger Accessories**

|                             |   |                   |                      |    |
|-----------------------------|---|-------------------|----------------------|----|
| 0-2.5 VDC Adapter Cable     | External input cable with 13mm tinned wire leads          | Onset             | CABLE-2.5 VDC-Stereo | 3  |
| 0-5 VDC Adapter Cable       | Input cable providing analog sensor input of 0-5 Vdc max  | Onset             | CABLE-ADAP5          | 1  |
| 4-20 mA Cable               | Connection cable  | Onset             | CABLE_4-20mA         | 5  |
| Gauge Pressure Sensor       | Pressure transducer                                       | Onset             | T-ASH-G2-200         | 6  |
| SMARTlogger USB Com Cable   | Communications cable                                      | DENT              | USB-A to Mini-B      | 27 |
| USB Cable for Onset Loggers | Hi-speed USB cable for downloading data from HOBO loggers | Onset; Tripp-lite | N/A                  | 19 |

**Data Logger Current Transducers**

|   |                      |       |       |    |
|---|----------------------|-------|-------|----|
| Onset Current Transducer 0-100 Amps AC  | Measures AC currents | Onset | CTV-C | 28 |
| Onset Current Transducer 0-200 Amps AC  | Measures AC currents | Onset | CTV-D | 30 |
| Onset Current Transducer 10-100 Amps AC | Measures AC currents | Onset | CTV-C | 10 |
| Onset Current Transducer 20-200 Amps AC | Measures AC currents | Onset | CTV-D | 10 |
| Onset Current Transducer 60-600 amps AC | Measures AC currents | Onset | CTV-E | 28 |

**Data Logger Pressure Sensor**

|                              |  |       |             |   |
|------------------------------|--|-------|-------------|---|
| Differential Pressure Sensor | Differential pressure sensor for dry media | Onset | T-VER-PXU-L | 2 |
|------------------------------|--|-------|-------------|---|

**Data Logger Temperature Sensors**

|  |  |       |          |    |
|--|--|-------|----------|----|
| Temperature Sensor Air/Water/Soil - 20 ft. | Measure temperature in air, water, or soil | Onset | TMC20-HD | 59 |
| Temperature Sensor Air/Water/Soil - 6 ft.  | Measure temperature in air, water, or soil | Onset | TMC6-HD  | 20 |
| Temperature Sensor for Flat Surface        | Temperature sensor                         | Onset | TMC6-HE  | 12 |

**Data Loggers**

|                                     |                           |       |          |   |
|-------------------------------------|---------------------------|-------|----------|---|
| HOBO MX1105 4-Channel Analog Logger | Multi-channel data logger | Onset | 21289380 | 6 |
|-------------------------------------|---------------------------|-------|----------|---|

**Detectors**

|  |  |                 |                            |   |
|--|--|-----------------|----------------------------|---|
| Bacharach 19-7075 Leakator Jr Portable     | Combustible gas leak detector                      | Bacharach       | N/A                        | 1 |
| Carbon Monoxide Meter                      | Carbon Monoxide Meter                              | Extech          | C010                       | 1 |
| Conductivity/TDS Meter                     | Compact Conductivity/TDS Meter Features            | Extech          | EC210                      | 1 |
| Digital Sound Level Meter w/ PC Interface  | Digital Sound Level Meter with RS-232 PC Interface | Extech          | 407750                     | 1 |
| EzFlex Combustible Gas Detector            | Gas leak detector                                  | Extech          | EZ40                       | 1 |
| Fluke ii910 Precision Acoustic Imager      | Acoustic air leak imager                           | Fluke           | ii910                      | 1 |
| Glass Thickness Meter & Low E Detector     | E leak detector                                    | EDTM            | Glass Check Elite #GC3200  | 1 |
| Portable Combustion Analyzer               | Combustion analyzer                                | Bacharach       | PCA3                       | 1 |
| Refrigerant Leakage Detector               | Leakage detector                                   | Extech          | RD300                      | 1 |
| Smoke Pencil Draft Detector                | Draft detector                                     | Zero Toys, Inc. | Dragon Puffer              | 1 |
| Sound Level Meter Logging                  | Sound level meter logging                          | Extech          | SDL600                     | 1 |
| Telaire Carbon Dioxide/Temperature Monitor | Handheld carbon dioxide sensor                     | Telaire         | 7001                       | 6 |
| Ultrasonic Leak Detector                   | Leak detector                                      | Superior        | Superior Accutrak VPE-1000 | 1 |
| Vibration Meter                            | Vibration Meter                                    | Fluke           | 805FC                      | 1 |

**Distance Meters**

|                      |                                    |       |      |   |
|----------------------|------------------------------------|-------|------|---|
| Laser Distance Meter | Feature-packed 424D distance meter | Fluke | 424D | 3 |
|----------------------|------------------------------------|-------|------|---|

**Flow Hoods**

|                        |                                     |            |        |   |
|------------------------|-------------------------------------|------------|--------|---|
| Alnor EBT731 Balometer | Electronic air balancing instrument | Alnor      | EBT731 | 3 |
| Shortridge Flowhood    | Shortridge flowhood                 | Shortridge | #8403  | 1 |

**Humidity Loggers**

|  |   |         |                   |     |
|--|---|---------|-------------------|-----|
| Hobo Temperature, humidity                   | Measures temperature and humidity       | Onset   | HOBO U12-012      | 107 |
| MX Analog/Temp/RH/Light Logger               | Temp, RH, light logger                  | Onset   | MX1104            | 10  |
| TSI 9545-A Air Velocity Meter                | Velocity meter                          | TSI     | VelociCalc 9545-A | 1   |
| Vaisala Temperature/Humidity/CO2 meter/probe | Temperature, humidity, co2 meter, probe | Vaisala | Vaisala HM70      | 1   |
| WI-FI Temperature/Humidity Logger            | Temperature and humidity logger         | Dwyer   | DW-WI-FI-TH-HA    | 10  |

**Humidity Meters**

|  |   |         |                   |     |
|--|---|---------|-------------------|-----|
| Environmental Meter Vane Thermo-anemometer   | 11-in-1 Hygro-Thermo-Anemometer with light sensor | Extech  | EN100             | 2   |
| Fluke 922 airflow meter                      | Airflow meter                                     | Fluke   | Fluke 975V        | 2   |
| Fluke 971 Temperature & Humidity Meter       | Measures temperature and humidity                 | Fluke   | Fluke 971         | 1   |
| Hobo Temperature, humidity                   | Measures temperature and humidity                 | Onset   | HOBO U12-012      | 107 |
| MX Analog/Temp/RH/Light Logger               | Temp, RH, light logger                            | Onset   | MX1104            | 10  |
| TSI 9545-A Air Velocity Meter                | Velocity meter                                    | TSI     | VelociCalc 9545-A | 1   |
| Vaisala Temperature/Humidity/CO2 meter/probe | Temperature, humidity, co2 meter, probe           | Vaisala | Vaisala HM70      | 1   |
| WI-FI Temperature/Humidity Logger            | Temperature and humidity logger                   | Dwyer   | DW-WI-FI-TH-HA    | 10  |

**Hydronic Meters**

|                                |  |                |                                |   |
|--------------------------------|--|----------------|--------------------------------|---|
| Flexim Ultrasonic flowmeter    | Liquid ultrasonic flow meter, measures BTU | Flexim         | Flexim Fluxus F601             | 1 |
| GE PT878 Ultrasonic flowmeter  | Measures flow                              | GE Panametrics | GE Panametrics TransPort PT878 | 1 |
| Insertion Flow Meter           | F-1100 Single Turbine Insertion Flowmeter  | Onicon         | Onicon F-1100                  | 1 |
| Liquid manometer w/3-way valve | Wet/wet hand-held digital manometer        | Dwyer          | 490-4-3V                       | 1 |
| TSI Liquid Hydronic Manometer  | Liquid Manometer                           | DENT           | Dent Elitepro XC Energy Logger | 1 |

**Indoor Air Quality Meters**

|  |  |          |                  |   |
|--|--|----------|------------------|---|
| CO <sub>2</sub> Logger - Desktop             | CO <sub>2</sub> Logger                           | Extech   | Extech CO210     | 5 |
| Fluke 975 airflow meter                      | Airflow meter                                    | Fluke    | Fluke 975V       | 1 |
| Handheld Particle Counter and IAQ meter      | Measures carbon monoxide, relative humidity, etc | GrayWolf | DirectSense II-8 | 1 |
| IAQ meter and Handheld Particle Counter      | Measures carbon monoxide, relative humidity, etc | GrayWolf | DirectSense II-8 | 1 |
| Vaisala Temperature/Humidity/CO2 meter/probe | Temperature, humidity, co2 meter, probe          | Vaisala  | Vaisala HM70     | 1 |

| Infrared Cameras             |                 |       |              |   |
|------------------------------|-----------------|-------|--------------|---|
| Flir E6 Infrared Camera      | Infrared camera | FLIR  | Flir E6      | 1 |
| Fluke Ti110 Infrared Camera  | Infrared camera | Fluke | Fluke Ti110  | 1 |
| Fluke TiR Infrared Camera    | Infrared camera | Fluke | Fluke TiR    | 1 |
| Fluke Tis55+ Infrared Camera | Infrared camera | Fluke | Fluke Tis55+ | 1 |
| Fluke TiS60+ Thermal Imager  | Infrared camera | Fluke | Fluke TiS60+ | 1 |

| Light & Occupancy Loggers          |  |       |          |    |
|------------------------------------|--|-------|----------|----|
| Hobo Occupancy/light status logger | Measures room occupancy up to 12 meters away | Onset | UX90-005 | 40 |

| Light Meters                                |   |                |           |    |
|---|---|----------------|-----------|----|
| Electronic or Magnetic Ballast Checker      | Monitors ballast types                            | Philips        | ABC100    | 10 |
| Environmental Meter Vane Thermo-anemometer  | 11-in-1 Hygro-Thermo-Anemometer with light sensor | Extech         | EN100     | 2  |
| Handheld light meter                        | Light meter                                       | Amprobe        | LM-200LED | 4  |
| Luminance Meter                             | Luminance meter                                   | Konica Minolta | LS-100    | 1  |
| Wide Range Single Piece Digital Light Meter | Digital light meter                               | General        | DLM204    | 4  |

| Logging Power Meters                   |                           |                      |                                |    |
|--|---------------------------|----------------------|--------------------------------|----|
| Dent ElitePro XC Logging Power Meter   | Power meter               | DENT                 | Dent Elitepro XC Energy Logger | 10 |
| Fluke 1730 3 Phase Logging Power Meter | Phase logging power meter | Fluke                | 1730US                         | 21 |
| Voltage Logger                         | Voltage logger            | Legend Power Systems | VL01                           | 3  |

| Moisture Meters                             |  |        |       |   |
|---|--|--------|-------|---|
| EXTECH MO290: Pinless Moisture Psychrometer | Monitors moisture in wood and other building materials | Extech | MO290 | 2 |

| Motor Loggers           |   |       |                               |    |
|-------------------------|---|-------|-------------------------------|----|
| Hobo UX 90 Motor on/off | Records motor on and off conditions w/i AC magnetic field | Onset | UX90-004                      | 29 |
| Motor on/off logger     | Monitors, records magnetic fields in motorized equipment  | DENT  | Mag Logger 4G Magnetic Logger | 50 |

| Multi Channel Loggers             |  |       |            |    |
|-----------------------------------|--|-------|------------|----|
| Hobo 4 Channel analog data logger | Data logger for building performance monitoring applications | Onset | UX120-006M | 37 |

| Non-Logging Power Meters |                               |       |              |   |
|--------------------------|-------------------------------|-------|--------------|---|
| True RMS Multi-meter     | Measures AC voltage & current | Fluke | Fluke 87V/E2 | 1 |

| Plug Load Loggers                     |   |          |          |    |
|---------------------------------------|---|----------|----------|----|
| Kill A Watt electricity Usage Monitor | Electricity usage monitor                                   | P3       | P4400    | 47 |
| Plug Load Loggers                     | Measures and records the power and energy consumption       | Onset    | UX120-18 | 45 |
| Power Port Plug Strip                 | Monitors, controls, measurement capabilities on each outlet | Enmetric | PPT-204  | 50 |
| Power Port Plug Strip Wireless Bridge | Conveys data btwn Enmetric PowerPorts and Enmetric Servers  | Enmetric | 1        | 5  |

| Power Meter CT's                                 |   |      |                    |    |
|--|---|------|--------------------|----|
| Dent EZ Clamp-on 150 Amp CT                      | Data logger for compact shapes                            | DENT | Dent 150A EZ Clamp | 18 |
| Dent Flexible CT Coils 5-5000 Amps, 16 inch coil | Used for accurate non-intrusive measurement of AC current | DENT | CTR16A4U           | 24 |
| Dent Flexible CT Coils 5-5000 Amps, 24 inch coil | Used for accurate non-intrusive measurement of AC current | DENT | CTR24A4U           | 6  |
| Dent Flexible CT Coils 5-5000 Amps, 36 inch coil | Used for accurate non-intrusive measurement of AC current | DENT | CTR36A4U           | 63 |
| Dent Mini Current Transformer 20A                | Small transformer   | DENT | CTHSC-020 U/B      | 11 |
| Dent Mini Current Transformer 50A                | Small transformer   | DENT | CTHSC-050 U/B      | 15 |

| Pressure Measurements             |   |                     |                                |   |
|-----------------------------------|---|---------------------|--------------------------------|---|
| DG-500 Digital Pressure Gauge     | Pressure gauge  | Energy Conservatory | DG-500                         | 1 |
| Differential Pressure Sensor      | Differential pressure sensor for dry media              | Onset               | T-VER-PXU-L                    | 2 |
| Dwyer Digital Manometer           | Digital manometer 0-4.00" w.c., air velocity/flow modes | Dwyer               | 477AV-00                       | 1 |
| Dwyer Digital Manometer           | Digital manometer 0-1.00" w.c., air velocity/flow modes | Dwyer               | 477AV-000                      | 1 |
| Fluke 922 airflow meter           | Airflow meter   | Fluke               | Fluke 922                      | 2 |
| Gauge Pressure Sensor             | Pressure transducer                                     | Onset               | T-ASH-G2-200                   | 6 |
| Shortridge ADM-880C Airflow Meter | Airflow meter   | Shortridge          | M15342                         | 1 |
| TSI Liquid Hydronic Manometer     | Liquid Manometer  | DENT                | Dent Elitepro XC Energy Logger | 1 |

| Solar Tools                        |  |        |                   |   |
|------------------------------------|--|--------|-------------------|---|
| Solar Survey 200R Irradiance Meter | Measures roof orientation and pitch                          | Seward | Solar Survey 200R | 1 |
| Solar Transmission & Power Meter   | Measures the power per unit area of incident solar radiation | EDTM   | SP2065            | 1 |

| Tachometers            |   |                     |                       |   |
|------------------------|---|---------------------|-----------------------|---|
| Stroboscope/tachometer | Inspects and stops motion and speed of rotating objects | Monarch Instruments | Stroboscope kit       | 1 |
| Tachometer             | Measures rotational speed                               | Monarch Instruments | Tachometer kit PLT200 | 1 |

**Temperature & Humidity Loggers**

|  |   |         |                   |     |
|--|---|---------|-------------------|-----|
| Hobo Temperature, humidity                   | Measures temperature and humidity       | Onset   | HOBO U12-012      | 107 |
| MX Analog/Temp/RH/Light Logger               | Temp, RH, light logger                  | Onset   | MX1104            | 10  |
| TSI 9545-A Air Velocity Meter                | Velocity meter                          | TSI     | VelociCalc 9545-A | 1   |
| Vaisala Temperature/Humidity/CO2 meter/probe | Temperature, humidity, co2 meter, probe | Vaisala | Vaisala HM70      | 1   |
| Wifi Temperature logger                      | Temperature logger                      | Dwyer   | DW-WIFI-TP-HA     | 9   |
| WI-FI Temperature/Humidity Logger            | Temperature and humidity logger         | Dwyer   | DW-WI-FI-TH-HA    | 10  |

**Temperature Meters & Guns**

|  |  |         |              |   |
|--|--|---------|--------------|---|
| Digital Psychrometer                         | Temperature, humidity, wet bulb or dew point thermometer | Extech  | ExTech RH305 | 1 |
| Environmental Meter Vane Thermo-anemometer   | 11-in-1 Hygro-Thermo-Anemometer with light sensor        | Extech  | EN100        | 2 |
| Fluke 971 Temperature & Humidity Meter       | Measures temperature and humidity                        | Fluke   | Fluke 971    | 1 |
| Fluke 975 airflow meter                      | Airflow meter  | Fluke   | Fluke 975V   | 1 |
| Integral Vane Digital Anemometer             | Digital anemometer                                       | Dwyer   | DFM 8904     | 1 |
| Temperature Gun Hand Held                    | Measures surface temperature                             | Dwyer   | Dwyer IR6    | 3 |
| Vaisala Temperature/Humidity/CO2 meter/probe | Temperature, humidity, co2 meter, probe                  | Vaisala | Vaisala HM70 | 1 |

**Vane Anemometers**

|  |  |        |       |   |
|--|--|--------|-------|---|
| Environmental Meter Vane Thermo-anemometer | Hygro-Thermo-Anemometer with light sensor                    | Extech | EN100 | 2 |
| Thermo-Anemometer with IR Thermometer      | Measures remote surface temperatures                         | Extech | HD300 | 1 |
| VelociCalc Rotating Vane Anemometer - 4    | Measures air velocity and temperature, calculating flow rate | TSI    | 5725  | 1 |