

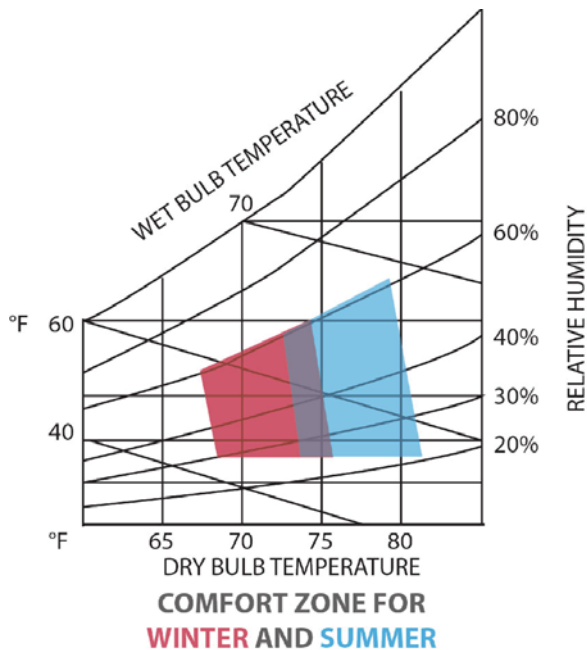
IAQ Monitor Saves Time for HVAC Techs



KANOMAX
The Ultimate Measurements

An IAQ Monitor may not be the first tool an HVAC tech thinks of for indoor air comfort, but they offer enough time saving advantages that it's worth considering an investment in a good IAQ meter.

Most anemometers and airflow hoods measure temperature, and a few will even give you the RH%, but they seldom go into the detail that a good IAQ monitor will. The model 2212 will measure dry bulb, wet bulb, dewpoint and relative humidity giving you all the readings you need in just a few seconds.



*Seasonal Comfort Zones
Based on Temperature & Humidity*

In addition to humidity and temperature, the 2212 will also measure CO and CO² levels for you. While CO may be outside the purview of most HVAC work, CO² is a large factor in occupant comfort. Too much of it and people start to feel lethargic and have trouble focusing. In larger quantities it can even make people feel sick. A large amount of carbon dioxide is a good indication that the ventilation exchange rate is insufficient for the space and the number of occupants.



*Save time and make your clients happy
with a 2212 IAQ Monitor*

In fact, the 2212 can eliminate guesswork and lengthy calculations; it automatically calculates ventilation exchange rates for you. By measuring the temperature and CO² levels in a building's exhaust air, supply air and outside air the instrument can calculate the % of outside air being introduced to the building.

As buildings focus on becoming greener and more economical, systems are becoming more isolated and, in many cases, sealed from the outside to conserve heat and air conditioning. This process is always a balancing act for the technician though, because while you want to minimize loss of heat and A/C, it's important for health reasons to make sure enough outside air is being introduced to the system to remove CO₂.

So what % of outside air do you need?



The question does not have a quick simple answer, but there is a calculation that will help you figure out what your %OA should be:

$$\%OA = \frac{\text{recommended CFM/person} \times \text{max. \# of occupants}}{\text{air flow}}$$

By using the above equation you can figure out how much outside air should be introduced to keep building occupants healthy.

While you can handle most of these calculations with an anemometer, it's more efficient to have a good IAQ monitor like the 2212, especially when you'll be doing this over and over again for many clients. The time saved with the functions of the 2212 can quickly pay for the unit so it's definitely worth considering a purchase if you haven't already.



Comfortable employees are more productive and better focused

About Kanomax USA, Inc.

Kanomax has delivered the best measurement solutions in its products and services that adapt precision measurement technology for fluids and particles. Kanomax product lines include anemometers, particle counters, dust monitors, and IAQ monitors. Kanomax is contributing to technological innovation and quality improvement for the processes of quality management, environment management, and technology development in the areas of environment, health, and energy, which are essential to sustain human well-being, as well as in other industrial areas including automobile, aerospace, semiconductor, electronics manufacture, heavy industry, steel, shipbuilding, pharmaceutical, biotechnology, food-processing, medical, construction, and civil engineering.



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