

# Compact Size, Big Picture Results: Extech's CO230 IAQ Monitor

"Designed for use in a wide range of building applications ranging from schools to workplaces, the easy-to-use tabletop/wall-mount monitor can alert occupants to issues such as dizziness, headaches and fatigue resulting from inadequate ventilation by measuring and tracking carbon dioxide (PPM), temperature (°F/°C) and humidity (RH%)."

## Extech's CO230 IAQ Monitor:

### So much more than a carbon dioxide monitor!

- Defeatable Automatic Baseline Calibration is ideal for high-CO<sub>2</sub> applications
- Carbon dioxide (PPM)
- Temperature (°F/°C)
- Humidity (RH%)
- **Plus calculate these added metrics:**
  - Wet bulb temperature (°F/°C)
  - Dew point temperature (°F/°C)
  - Min/Max CO<sub>2</sub> PPM
  - 8-hour CO<sub>2</sub> Time Weighted Average (TWA)
  - 15-minute CO<sub>2</sub> Short Term Exposure Limit (STEL)



### Who is using the CO230:

- Building Operations & Maintenance (O&M)
- HVAC technicians
- IAQ diagnostics
- Occupational health and safety
- Environmental monitoring
- Facilities maintenance/ Property management
- Managers investigating worker air quality complaints



### Does the job of 5 devices:

- Carbon Dioxide Monitor
- Thermometer/Temperature indicator
- Hygrometer/Humidity Indicator
- Psychrometer
- CO<sub>2</sub> alarm

### Investigate major HVAC and IAQ complaints:

- stuffy air due to high occupancy or poor fresh air intake
- Sick building syndrome" due to well-sealed and poorly-ventilated buildings
- muggy rooms due to high humidity
- low humidity and static hazards

### Complaints:

- Dizziness, drowsiness, headaches, fatigue, lethargy and stale, "old" or stuffy air

## Why monitor Carbon Dioxide at your site?

Industrial and clerical workers alike, as well as students, can **spend approximately one-half of their waking hours** at a work place or school/university. It's a no-brainer that **maintaining adequate indoor air quality (IAQ)** in schools and the workplace has fastly become a leading priority for facility managers and building operating & maintenance engineers. **A key to maintaining sufficient indoor air quality** is bringing in the right amount of outside air to so that indoor air pollutants can be diluted and exhausting these contaminants from buildings.

### Where is the CO230 used?

- Offices
- Schools
- Auditoriums
- Manufacturing floors
- Retail
- Churches/houses of worship
- Theaters
- Anywhere where HVAC systems recirculate a significant portion of indoor air

### Core functions of the CO230:

- Measure and display CO<sub>2</sub>, Humidity, Temperature
- Unique defeatable Automatic Baseline Calibration (ABC) function -- users can disable ABC as needed for locations with consistently above-average carbon dioxide levels (exceeding 400ppm)
- Customizable high and low CO<sub>2</sub> alarms with flashing LED and beeping audio alarms (plus external alarm relay)
- Tracks minimum and maximum CO<sub>2</sub> values
- Calculates wet/dry bulb temperatures
- Calculates 15-min STEL and 8-hour TWA
- Mounts on wall or used on tabletop