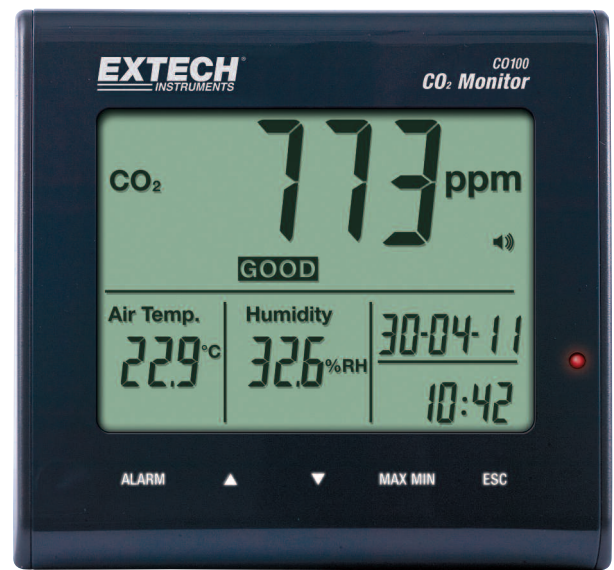# Desktop Indoor Air Quality CO$_2$ Monitor

✓ *Measures Carbon Dioxide (CO$_2$), Air Temperature and Humidity*
With user programmable visual and audible alarm

Features:

- Checks for Carbon Dioxide (CO$_2$) concentrations
- Maintenance free NDIR (non-dispersive infrared) CO$_2$ sensor
- Indoor Air Quality displayed in ppm with Good (0 to 800ppm), Normal (800 to 1200ppm), Poor (>1200ppm) indication
- Visible and Audible CO$_2$ warning alarm
- Measurement ranges:
    CO$_2$: 0 to 9,999ppm
    Temperature: 23 to 122°F (-5 to 50°C)
    Humidity: 0.1 to 90%RH
- Displays Year, Month, Date, and Time
- Max/Min CO$_2$ value recall function
- Complete with Universal AC adaptor

Applications:

- Monitor air quality in schools, office buildings, greenhouses, factories, hotels, hospitals, transportation lines and anywhere that high levels of carbon dioxide are generated

Desktop Carbon Dioxide (CO$_2$) Meter monitors the air quality in conference rooms insuring proper air ventilation

Specifications	
Carbon Dioxide (CO$_2$)	0 to 9,999ppm
Resolution	1ppm
Temperature	23 to 122°F (-5 to 50°C)
Resolution	0.1°F/°C
Humidity	0.1 to 90%RH
Resolution	0.1%
Dimensions	4.3 x 4.1 x 2.4" (110 x 105 x 61mm)
Weight	8.1oz (230g)

Ordering Information:

CO100 ......Desktop Indoor Air Quality CO$_2$ Monitor

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EXTECH® INSTRUMENTS

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 table-top/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_2 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_2 PPM
  - 8-hour CO_2 Time Weighted Average (TWA
  - 15-minute CO_2 Short Term Exposure Limit (STEL)

Does the job of 5 devices:

- Carbon Dioxide Monitor
- Thermometer/Temperature indicator
- Hygrometer/Humidity Indicator
- Psychrometer
- CO_2 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:

- Dizzyness, 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.

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

CO230

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_2, 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_2 alarms with flashing LED and beeping audio alarms (plus external alarm relay)
	- Tracks minimum and maximum CO_2 values
	- Calculates wet/dry bulb temperatures
	- Calculates 15-min STEL and 8-hour TWA
	- Mounts on wall or used on tabletop