



Safety & Specialty Products

# Portable Air Quality Monitor Comfort Chek™ 500

## Comfort Chek™ 500 Features & Benefits:

- Light weight, handheld monitor
- Simultaneously measures and displays CO<sub>2</sub>, temperature and RH
- User selection for display of air, wet bulb or dew point temperature
- Audible alarm for CO<sub>2</sub> readings
- Large, high resolution LCD display with bright backlight
- Automatically calculates and displays MIN,MAX, STEL and TWA values for CO<sub>2</sub>
- Quick and easy calibration for CO<sub>2</sub> and RH
- Logs to internal memory (up to 26,000 readings)
- USB output to remote datalogger



## Economical and Accurate

Comfort Chek™ 500 is Bacharach's new low cost and easy to use indoor air quality (IAQ) monitor and is designed with three sensors that simultaneously measure and record temperature, relative humidity, and carbon dioxide (CO<sub>2</sub>) levels in the air. The large LCD displays all three sensor readings as well as battery status and is backlit for easy readability in dark environments. This essential monitor collects up to 26,000 data points and stores it in the internal flash memory. Users can download the data through a USB port for analysis with Bacharach's IQ Chek™ software. Comfort Chek™ 500 operates up to 24 hours with alkaline batteries, or the supplied wall adapter is ideal for around the clock air quality monitoring in office environments, schools, hotels or other public buildings.



## Comfort Chek™ 500

- Compact and lightweight air quality monitor
- Stable CO<sub>2</sub> sensor measuring and displaying 0-5,000 ppm
- Long run time (up to 24 hours)
- Ideal for indoor air quality monitoring, HVAC measurements and ventilation verification for ASHRAE compliance

## Comfort Chek™ 500 Specifications

<b>Gases Detected:</b>	Carbon Dioxide
<b>Detection Principle:</b>	Non-Dispersive Infrared (NDIR)
<b>Other Measurements:</b> Temperature Relative Humidity	14° F to 140° F (-10° C to 60° C) 0.1° Resolution 0-99.9% Non Condensing / 0.1% Resolution
<b>Range/Resolution:</b>	CO <sub>2</sub> = 0-5,000 ppm / 1 ppm increments
<b>Accuracy:</b>	CO <sub>2</sub> = ±30 ppm ±5% of reading
<b>Warm-up Time:</b>	30 Seconds
<b>Dimensions:</b>	6.6" L x 2.75" W x 1.25" D (17 cm x 7 cm x 3.2 cm)
<b>Weight:</b>	7.1 oz (200 g) including batteries
<b>Display:</b>	Backlit LCD Display, Simultaneously Displays CO <sub>2</sub> (realtime, MIN, MAX, STEL or TWA), Temp (Air, DP or WB) and RH
<b>Alarm:</b>	User Selectable Alarm Level; Can be Silenced
<b>Operating Temperature Range:</b>	32° F to 122° F (0° C to 50° C)
<b>Operating Humidity Range:</b>	0-95% RH Non-Condensing
<b>Data Storage:</b>	26,000 Data Points - Stored in Internal Memory
<b>Data Download:</b>	w/USB Connection to PC w/ IQ Chek™ Software
<b>Power:</b>	4 AA Alkaline Batteries - disposable only (included) 9 VDC 110 VAC Wall Adapter (N.Am. Plug) (included for power only - not for charging)
<b>Run Time:</b>	20 - 24 Hours (Batteries); Continuous w/Wall Adapter
<b>Approvals:</b>	CE Mark
<b>Warranty:</b>	Instrument and CO <sub>2</sub> Sensor - Two Years

## Comfort Chek™ 500 Ordering Information

<b>1580-8000</b>	Comfort Chek™ 500 Kit (instrument comes with batteries, wall adapter (N.Am. plug), IQ Chek™ software and cable, user manual and hard carrying case)
<b>1509-0007</b>	Replacement Wall Adapter

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