Portable Air Quality Monitors
Comfort Chek®400 | Comfort Chek®500

The Comfort Chek® 400 provides responsive, reliable IAQ monitoring. ▶

Comfort Chek® 400 / 500 Features & Benefits:

- Light weight, handheld monitors

- Simultaneously measure and display CO_2, temperature and RH

- User selection for display of air, wet bulb or dew point temperature

- Audible alarm for CO_2 readings

- Large, high resolution LCD display with bright backlight

- Automatically calculate and displays MIN, MAX, STEL and TWA values for CO_2

- Quick and easy calibration for CO_2 and RH

- Logs to internal memory up to 26,000 readings *(Comfort Chek® 500 only)*

- USB output for analysis with cable & IQ Chek™ software *(Comfort Chek® 500 only)*

The Comfort Chek® 500 offers expanded internal data storage and analysis with exclusive IQ Chek™ software. ▼

Economical and Accurate

The Comfort Chek® 400 and 500 are Bacharach's new low cost and easy to use indoor air quality (IAQ) monitors designed with three sensors to simultaneously measure and record temperature, relative humidity and carbon dioxide (CO_2) levels in the air. Their large LCDs display all three sensor readings as well as battery status and are backlit for easy readability in dark environments. Both Comfort Chek® 400 and 500 models operate 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. The Comfort Chek® 500 features expanded flash memory capacity to collect and store up to 26,000 data points internally and, with its external USB port and IQ Chek™ software, allows the user to easily download data for analysis and distribution.

Comfort Chek® 400 and 500

- Compact and lightweight air quality monitors
- Stable CO_2 sensor measuring, 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

Both versions of the Comfort Chek® include durable hard-shell carrying case, batteries, wall adapter with North American plug (plus 3 international adapters) and detailed user manual.

Comfort Chek® 400 and Comfort Chek® 500 Specifications

Gases Detected:	Carbon Dioxide
Detection Principle:	Non-Dispersive Infrared (NDIR)
Other Measurements: **Temperature** **Relative Humidity**	14° F to 140° F (-10° C to 60° C) 0.1° Resolution 0-99.9% Non Condensing / 0.1% Resolution
Range/Resolution:	CO_2 = 0-5,000 ppm / 1 ppm increments
Accuracy:	CO_2 = ±30 ppm ±5% of reading
Warm-up Time:	30 Seconds
Dimensions:	6.6" L x 2.75" W x 1.25" D (17 cm x 7 cm x 3.2 cm)
Weight:	7.1 oz (200 g) including batteries
Display:	Backlit LCD Display, Simultaneously Displays CO_2 (realtime, MIN, MAX, STEL or TWA), Temp (Air, DP or WB) and RH
Alarm:	User Selectable Alarm Level; Can be Silenced
Operating Temperature Range:	32° F to 122° F (0° C to 50° C)
Operating Humidity Range:	0-95% RH Non-Condensing
Data Storage:	Comfort Chek 500® only: 26,000 Data Points Stored in Internal Memory
Data Download:	Comfort Chek 500® only: USB Connection to PC utilizing IQ Chek™ Software
Power:	4 AA Alkaline Batteries - disposable only (included) 9 VDC 100-240 VAC Wall Adapter (N. Am. plug + 3 internat'l adapters) included for power only - not for charging.
Run Time:	20 - 24 Hours (Batteries); Continuous w/Wall Adapter
Approvals:	CE Mark
Warranty:	Instrument and CO_2 Sensor - Two Years

Comfort Chek® 400 / 500 Ordering Information

1580-8001	Comfort Chek® 400 Kit (instrument comes with batteries, wall adapter (N. Am. plug + 3 international adapters), user manual and hard-shell carrying case)
1580-8000	Comfort Chek® 500 Kit (instrument comes with batteries, wall adapter (N. Am. plug + 3 international adapters), IQ Chek™ software and cable, user manual and hard-shell carrying case)
1509-0007	Replacement Wall Adapter

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The Measurable Difference

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