

APPLICATION NOTE



August 26, 2009

Issue 09-08.1

Indoor Air Quality Analysis IAQ Analyzer Application

The Bacharach CO₂ Analyzer Model 3150 is used to check levels of Carbon Dioxide (CO₂) in buildings, measuring in a range 0-10000 parts per million (ppm). The normal background level of CO₂ in air is approximately 300-400 ppm. Any significant increase in this level over time may cause occupational health issues with office staff who are constantly working in this environment. Symptoms of “sick building syndrome” include tiredness, headaches and lethargy.

While CO₂ is the most important aspect of the indoor air quality (IAQ) analysis, customers also may need to measure O₂, humidity and temperature, which are optional features of the instrument. IAQ audits to check the safety, comfort or the health of building occupants typically are conducted either via a walk-through with instrument in hand and pump running, or more likely with an instrument set up to log data on a daily basis in the working environment. The data is downloaded daily to view readings, graph, and check for trends.



The Bacharach CO₂ Analyzer Model 3150 is portable, accurate, easy-to-use and has a quick response time. The user can easily calibrate the unit in fresh air or with calibration check gas. The units have a large data storage bank capable of recording 1000 readings, as well as an optional datalogging kit that can be used with download software to chart data.

The Bacharach CO₂ Portable Gas Analyzer has many features designed to meet the needs of CO₂ monitoring for indoor air quality measures.

Features of the instrument include:

- Large graphic LCD display
- Simple, menu-driven intuitive software
- Large data storage (1000 readings) with optional data downloading software kit
- Large, user-friendly keypad

Key Contacts within the IAQ field include:
Occupational Health & Safety Professionals
Environmental Consultants
Industrial Hygienists
Facilities Managers

World Headquarters Bacharach Inc. 621 Hunt Valley Circle, New Kensington PA 15068-7074
PHONE: 724-334-5000 **FAX:** 724-334-5001 **WEBSITE:** www.MyBacharach.com **E-MAIL:** help@MyBacharach.com

