

# APPLICATION NOTE



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## Incubator CO<sub>2</sub> Verification Medical Analyzer Application

The Bacharach CO<sub>2</sub> Analyzer Model 3100 is an instrument used in medical or research facilities to verify the CO<sub>2</sub> levels in incubators. Traditionally laboratory incubators need to run at a constant temperature, humidity and CO<sub>2</sub> level (typically 5%) to maintain the correct conditions for the maximum growth of cell cultures, embryos for IVF, etc.

The incubator units typically have a built-in monitoring system for CO<sub>2</sub> and the more sophisticated units have built-in monitoring for additional parameters as well. Because it is critical that these levels are kept constant, the incubators need a means of verifying that the levels shown by the internal monitoring system are correct.

The Bacharach CO<sub>2</sub> Analyzer Model 3100 is a simple solution for incubator CO<sub>2</sub> verification. The analyzers accurately and quickly confirm the CO<sub>2</sub>, O<sub>2</sub>, relative humidity (RH) and temperature levels, giving the user peace of mind and confidence that the incubator is working well. The CO<sub>2</sub> readings also will be stored for reference to provide an audit/quality trail.



The Bacharach CO<sub>2</sub> Portable Gas Analyzer has many features designed to meet the needs of CO<sub>2</sub> monitoring within the medical and laboratory markets.

**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
- Long runtime
- Optional RH probe
- Large, user-friendly keypad

**Key Contacts** within the medical field include:

Lab Technicians

Research Technicians

Pharmaceutical R&D Staff

Incubator Service Engineers

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