

Rev. 06/28/13

**Features & Options**

- Calibrates All BAPI CO<sub>2</sub> Room and Duct Sensors
- Verifies Proper Operation of All BAPI CO<sub>2</sub> Room and Duct Sensors
- Logs CO<sub>2</sub> Measurements

BAPI's CO<sub>2</sub> Sensor Calibration Kit verifies the proper operation and calibrates all of BAPI's room and duct CO<sub>2</sub> sensors.

Two calibration gas concentrations are required to perform a complete calibration\*. Purchase the single point gas at a CO<sub>2</sub> concentration of 400 to 800 ppm, and the span gas at 1,000 to 1,200 ppm. Only one regulator is required because it can be swapped between gas cylinders.

BAPI's CO<sub>2</sub> Sensor Calibration Kit consists of the following:

- A software CD containing the test software and cable drivers
- A communications cable that connects a computer to the BAPI CO<sub>2</sub> sensor
- A funnel used as a gas shroud
- A length of tubing to connect the funnel to the test gases
- Rubber bands used to secure the funnel to the BAPI CO<sub>2</sub> sensor
- Shunt jumpers to place the BAPI CO<sub>2</sub> sensor into the test mode

Equipment supplied by the customer:

- Laptop computer running Windows XP, Vista or 7
- Test gases
- 0.5 liter per minute test gas flow regulator

Test gases and flow regulators can be purchased online or through local HVAC distributors. A few online sources for the test gases are:

- <http://www.calibration-gas.com/>
- <http://www.gasdetectionsolutions.com>
- <http://www.mercury-instrumentsusa.com>

\*Note: A single point gas may not be required. If the ambient CO<sub>2</sub> concentration is known, stays stable at  $\pm 10$  ppm for at least 10 minutes and is in the range of 350 to 800 ppm, you may perform the single point accuracy check and calibration without any test gas.

CO<sub>2</sub> Sensor Calibration KitCO<sub>2</sub> Sensor Calibration Kit with Optional Case (shown with customer supplied gas cylinders)**Ordering Information/Part Numbers**

Part Number	Description
ALC/CO2-KIT .....	CO <sub>2</sub> Sensor Calibration Kit
ALC/CO2-KIT-C .....	CO <sub>2</sub> Sensor Calibration Kit with Case

**Specifications**

Customer supplied laptop computer running Windows XP, Vista or 7

CDROM drive

USB 2.0



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