

## CALIBRATION KIT (CO)

## MODEL GVV2RCALKIT

### GENERAL DESCRIPTION:

The **GVV2RCALKIT** is the calibration kit designed specifically for use with the GVV-2R carbon monoxide sensor, used in conjunction with the GVV-1, GVV-3, and GVV-10 ventilation control systems. The kit contains two tanks of span gas, which contain the proper concentrations of carbon monoxide and clear air needed for proper calibration. The required hardware and fittings are included to provide correct gas volume and metering. The kit also contains complete instructions and an industrial grade carrying case.

The kit has enough gas for approximately 80 calibrations. Calibration is recommended on a quarterly basis.



### FEATURES:

- **Two Tanks of Standard Test Gas (17 Liter)**
- **Regulator/Pressure Gauge**
- **Sensor Calibration Cover With Tubing**
- **On/Off Valve**
- **Gas Humidification Jar**
- **Adjustment Screwdriver**
- **Carrying Case**

### CALIBRATION PROCEDURE:

(Refer to Fig. 1)

Kit assembly:

1. Fill water bottle half full with tap water.  
NOTE: MAKE SURE WATER BOTTLE IS BELOW SENSOR SO THAT WATER IS NOT FORCED INTO SENSOR.
2. Screw the valve, regulator, gauge and orifice assembly on to the tank of calibration gas.
3. Insert plastic tubing (with orifice in line) into remaining barb fitting on water bottle.
4. Press the sensor calibration cover into the sensor shield for a snug fit.

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## GVU-2R CALIBRATION SETUP

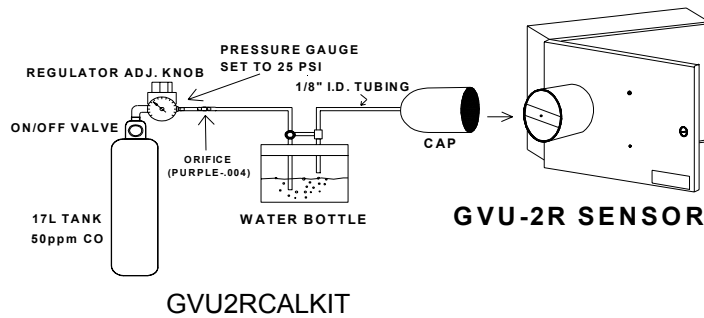


Fig. 1

### CALIBRATION:

NOTE: SENSOR MUST BE CONTINUOUSLY POWERED FOR 72 HOURS PRIOR TO CALIBRATION.

1. Slowly open tank valve.
2. Adjust pressure to read 25 psi (Lift regulator knob to adjust). This sets flow rate to 0.2 LPM via the purple orifice.
3. Allow gas to flow for approximately three (3) minutes.
4. If LED is blinking green, insert screwdriver into R6 access hole of sensing unit and turn pot CCW until LED just changes to blink red. Turn R6 CW until LED again blinks green, and again back to red. Unit is calibrated and should be blinking red.
5. Remove calibration gas and shut off all valves.
6. Reinstall plug into R6 access hole. Sensor will return to blinking green in a short time.

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### ORDERING INFORMATION:

If a calibration kit is needed for a Gvu system for carbon monoxide only, then contact your local Toxalert representative to order the Gvu2RCALKIT. If your Gvu system is for carbon dioxide, or a mix of both types of sensors, then please refer to data sheet CO220CALKIT (combination kits available). Please verify the system model and serial number if ordering for a unit already in operation.