

CALIBRATION KIT (CO)

MODEL GVUCOCALKIT

GENERAL DESCRIPTION:

The **GVUCOCALKIT** is the calibration kit designed specifically for use with the Gvu-CO carbon monoxide sensor, used in conjunction with the Gvu series ventilation control systems. The kit contains two tanks of span gas, which contain the proper concentrations of carbon monoxide and clean 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)
- LPMF Regulator
- Sensor Calibration Cover With Tubing
- 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 regulator on to the tank of calibration gas.
3. Insert plastic tubing into remaining barb fitting on water bottle.
4. Press the sensor calibration cover into the sensor shield for a snug fit.

GVU-CO CALIBRATION SETUP

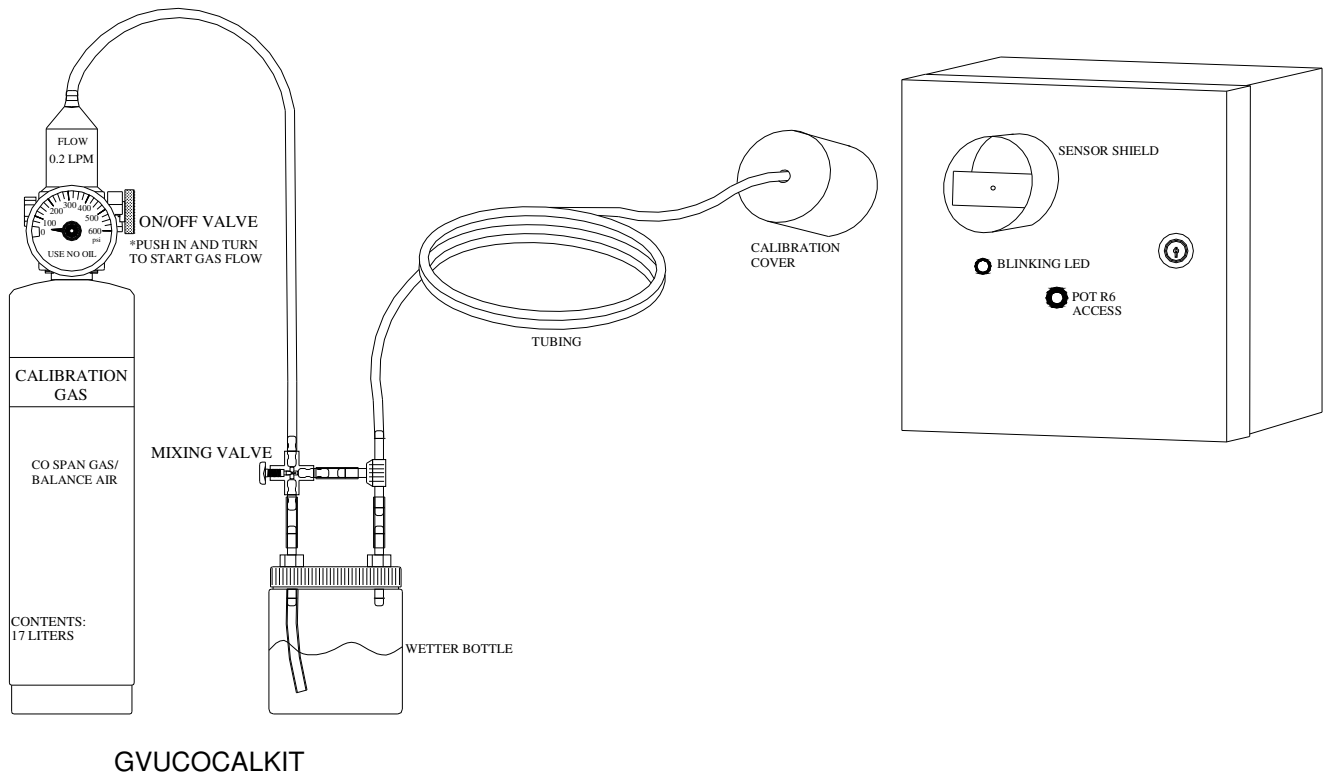


Fig. 1

CALIBRATION:

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

1. Push in and turn the control valve on to start the gas flow.
2. The regulator sets the flow rate to 0.2 LPM
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.

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 GVUCOCALKIT. If your Gvu system is for a mix of both types of sensors, then please refer to the data sheet for that specific sensor. Please verify the system model and serial number if ordering for a unit already in operation.