

GVU-CO & GVU-2R CO SENSOR CALIBRATION SET-UP

TOOLS REQUIRED:

- Tank of calibration gas (usually 50 ppm CO)
- Valve, regulator, gauge, and orifice assembly
- Small flat screw driver

PROCEDURE:

Kit assembly-

1. Fill water bottle half full of tap water.

NOTE: MAKE SURE THAT WATER BOTTLE IS BELOW SENSOR SO THAT WATER IS NOT FORCED INTO CO SENSOR

2. Screw the valve, regulator, gauge, and orifice assembly on to the tank of calibration gas.
3. Insert 1/4" plastic tubing (with orifice in line) into remaining barb fitting on water bottle.
4. Press the sensor calibration cover inside the sensor shield for a snug fit.

NOTE: GVU-CO & GVU-2R ARE THE SAME SENSOR & USE SAME PROCEDURE

Calibration-

NOTE: Sensor must be continuously powered for 72 hours prior to calibration

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

QUARTERLY CALIBRATION IS RECOMMENDED

