

## TOX-CO/1/M/B CO SENSOR CALIBRATION SET-UP

### TOOLS REQUIRED:

- Tank of calibration gas (usually 100ppm CO)
- 0.2 LPM regulator
- Wetter bottle
- Calibration cover and tubing
- Milliamp meter

### PROCEDURE:

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.**

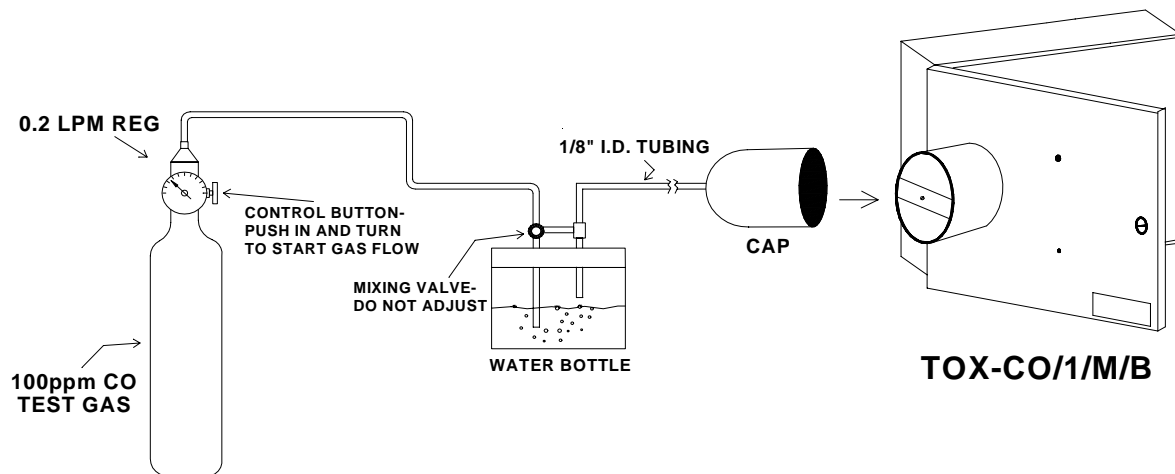
2. Screw the regulator on to the tank of calibration gas.
3. Press the sensor calibration cover inside the sensor shield for a snug fit.

### CALIBRATION CHECKING:

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

1. Connect a milliamp meter in series with the output signal that is capable of reading 4 to 20 milliamps. (A controller or other instrument may already be attached, and may be used instead of the meter).
2. Start the gas flow by pushing in and turning the control knob on the regulator.
3. The sensors electronics reads the CO concentration every 2.5 minutes, therefore allow the gas to flow for at least 10 minutes to allow the ambient air to be flushed out and an accurate reading can be taken.
4. Using 100 ppm CO test gas, the milliamp reading should be approx.20mA after 10 minutes of continuous gas flow.
5. Upon completion of the test, ensure that the tank valve is off and remove the calibration cover from the sensor.

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