Quick Reference Guide For Model GX-2001

Turn on and adjust the GX-2001 gas monitor in a known fresh air area.

1. Turning the GX-2001 ON

  a. Press and hold the MODE/POWER button for one second to turn the GX-2001 on.
  b. The instrument will go through a brief warm up showing date, time and battery power.
  c. If the battery level is low or the battery icon is flashing and the unit's buzzer sounds, recharge the GX-2001 before use.

2. Measuring Mode Screen

  a. After warm-up, the GX-2001 will beep and begin to scroll showing current O2, H2S, CO and HC gas readings.
  b. To view a particular gas reading press the DISP button to scroll to the gas of interest. Reading will be displayed for about 15 seconds, then begin to scroll again.
  c. If the readings are not displaying fresh air values, (0 for H2S, CO, and HC, and 20.9 for oxygen), it is necessary to perform a Demand Zero.

3. Performing a Demand Zero

  a. Find a fresh-air environment free of toxic or combustible gases and of normal oxygen content (20.9%).
  b. Press and HOLD the AIR button for about three seconds. The display will indicate "hold". When "Adj" is displayed, release the AIR button. The GX-2001 will set the fresh air values, 0% LEL HC, 20.9% O2, 0.0 ppm H2S and 0 ppm CO.

4. Performing a Breath Test

  a. Performing a breath test quickly tests the GX-2001 oxygen sensor, audible, visual and vibratory alarms for proper operation. Performing a breath test is not a substitute for calibration or performing a bump test on all sensors.
  b. Turn the GX-2001 ON and allow GX-2001 to warm up.
  c. Perform a Demand Zero.
  d. Cup hands over sensor opening and gently exhale over the sensors for 10 - 15 seconds.
  e. The oxygen sensor output will drop below the alarm point of 19.5% and activate alarms.
  f. Press the MODE POWER button to reset alarms when the oxygen reading rises above 19.5%.

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5. Sensor Failure

a. If the GX-2001 experiences a sensor failure during start up, the LCD will indicate FAIL in place of a gas reading for the sensor that has failed. To continue operation press and release the MODE POWER button to acknowledge the failure. Gas readings for that sensor will be replaced by dashes.

b. It is necessary to replace sensor and calibrate before the GX-2001 is used.

6. Displaying Peak Readings

a. With the GX-2001 in measuring mode, press the MODE/POWER button once to put the GX-2001 in Peak Reading Mode. A small peak (upside down for O2) symbol is displayed in the lower left of the LCD.

b. Press the DISP button to cycle through the four target gases.

c. Peak readings with peak symbols are displayed on the LCD and show the maximum exposure encountered for HC, CO and H2S plus minimum and maximum exposure for O2 since the GX-2001 has been turned ON.

d. Peak readings are reset once the GX-2001 is turned OFF.

7. Displaying STEL and TWA Readings

a. The STEL stands for short-term exposure limit and shows the average reading for H2S and CO during the last 15 minutes. TWA stands for time-weighted average and is the average reading for the last 8 hours.

b. With the GX-2001 in Measuring Mode, press the DISP button to select either H2S or CO then press the MODE POWER button twice to display the STEL then once again to display the TWA.

8. Turning the GX-2001 Off

a. Press and hold the MODE POWER button until the GX-2001 turns off.

9. Consult the operator's manual for further information