# Quick Reference Guide For Model GX-2012

*Note:  Turn on and adjust the GX-2012 gas monitor in a known fresh air area.*

## 1. Turning the GX-2012 ON

*Note: This start up sequence assumes the following maintenance mode items*

*are turned on: LNCH BRK, ID DISP, CL RMNDR, and BP RMNDR  Set to CONFIRM*

a. Attach the rubber nozzle or sample hose to the GX-2012's quick connect inlet fitting.

b. If a hose is used, attach probe to hose.

c. To turn on the GX-2012, press and briefly hold the POWER ENTER button until you hear a beep. The GX-2012 will begin its warm up sequence. The following screens may appear during the warm up sequence:

**CAL TIME REMAINING (factory set to appear)**
· If the instrument if overdue for calibration, the GX-2012 displays CAL. Press the RESET SILENCE button to continue.
· Calibration should be performed as soon as possible.

**BUMP TIME REMAINING (does not appear with factory setting)**
· If the instrument is overdue for bump testing, the
GX-2012 displays "tESt B--Limit". Press the RESET SILENCE button to continue.
· A bump test should be performed as soon as possible.

**SENSOR FAILURE**
· If the GX-2012 experiences a sensor failure during start up, the LCD will display FAIL and indicate which sensor(s) failed. To continue operation press and release RESET SILENCE to acknowledge the failure. Gas readings for that sensor will be replaced by "- - -".
· It is necessary to replace the sensor and recalibrate before the GX-2012 is used.

## 2. Measuring Mode Screen

a. After warm up the GX-2012 will display the following: CH4 0%LEL, OXY 20.9%, CO 0ppm, H2S 0.0ppm (some readings may not appear if sensors are not installed).

b. If the readings are not displaying fresh air values as above, you must perform a Fresh Air Adjustment.

### 3. Performing a Fresh Air Adjustment

a. Performing a Fresh Air Adjustment will set the CH4, CO, and H2S channels to 0 and the OXY channel to 20.9%.

b. Take the instrument to a fresh air area where the air is free of toxic or combustible gas and has normal oxygen (20.9%).

c. Press and hold the AIR button. The display will prompt you to continue holding the AIR button.

d. The display will prompt you to release the AIR button. The GX-2012 will automatically set the fresh air readings for all channels.

e. The GX-2012 is now ready for use.

*Note: If fresh air adjustment fails, refer to user's manual.*

### 4. Flow Integrity Test

a. Place finger over end of probe or rubber tip. The GX-2012 should go into flow fail in a few seconds.

b. Press the RESET SILENCE button to restart the pump.

c. If the instrument fails to indicate flow failure, check probe and hose connections for leaks.

### 5. Breath Test (for instruments equipped with oxygen sensor)

a. If connected, remove hose and probe.

b. Exhale near the inlet fitting of the unit. Observe that the oxygen reading drops below the alarm setting of 19.5% and the audible and visual alarms are activated.

c. Press the RESET SILENCE button to reset the alarms the reconnect hose and probe.

### 6. Turning the GX-2012 OFF

Press and hold the POWER ENTER button until TURN OFF has disappeared from the bottom of the screen. The GX-2012 is now off.

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