



GX-3R Pro: CO₂ Sensor Installation and Setup Guide

This supplement describes how to install and set up a CO₂ sensor in a GX-3R Pro. The IRR-0409 sensor is for 0-10% volume CO₂ detection. The IRR-0433 sensor is for 0-10,000 ppm CO₂ detection.

Installing the Sensor

To install a CO₂ sensor, perform the following:

1. Verify that the GX-3R Pro is off.
2. Turn the GX-3R Pro upside down.
3. Use a small Phillips screwdriver to unscrew the two screws holding the bottom cover to the rest of the GX-3R Pro's case. Only unscrew them until the heads are flush with the edge of the bottom cover.
4. Using a small flat blade screwdriver, gently pry each side of the bottom cover away from the rest of the GX-3R Pro's case.
5. Remove the filter gasket/sensor retainer assembly from the GX-3R Pro. The sensors will be exposed.
6. Locate the left most socket for the CO₂ sensor as shown in Figure 1. Remove the dummy plug that is currently installed in this slot.

7. Carefully insert the CO₂ sensor into the socket. The CO₂ sensor has slots to correctly orient the sensor in the socket. Do not force the sensor into its slot.

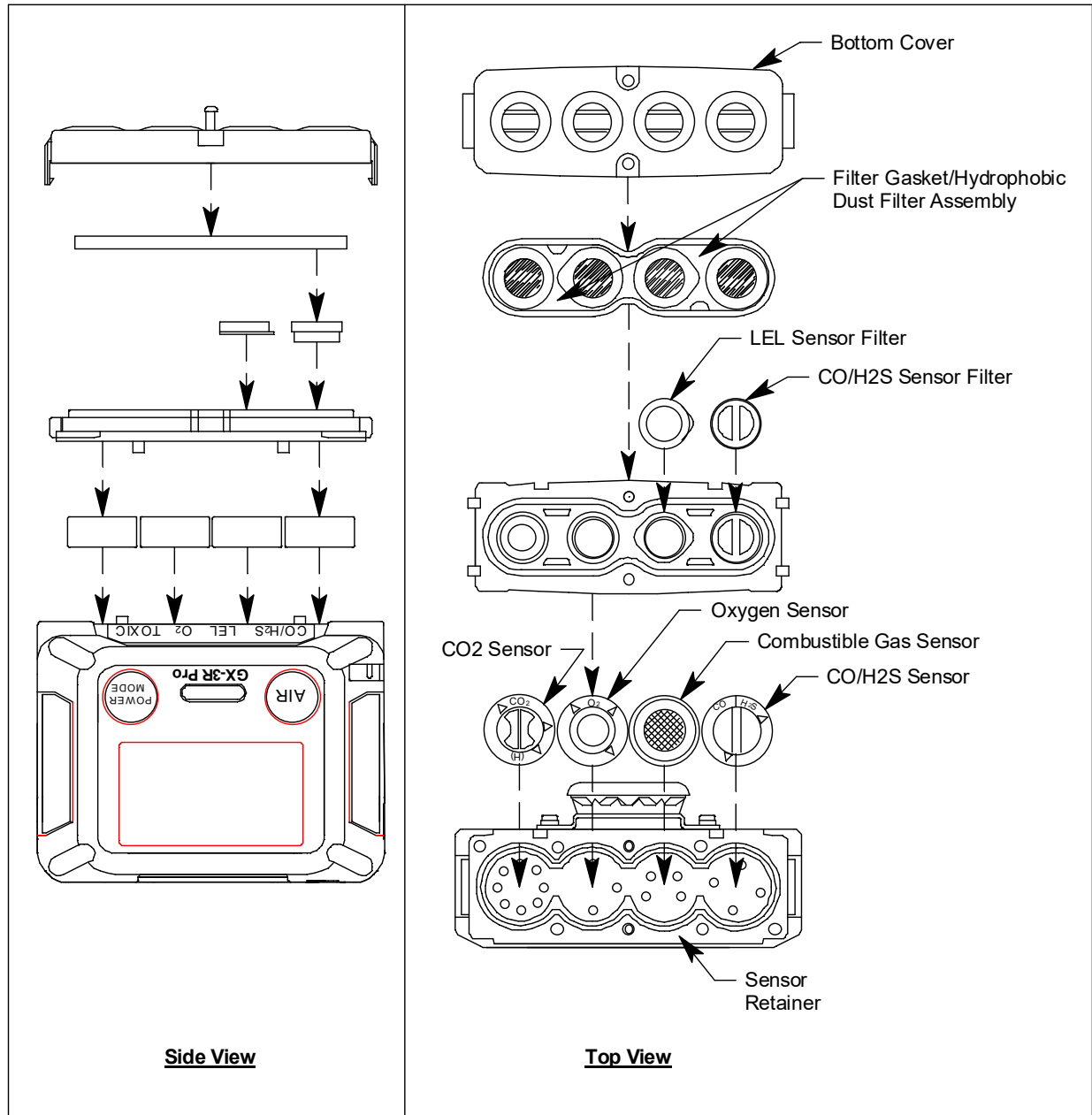


Figure 1: Installing the Sensor and Filter

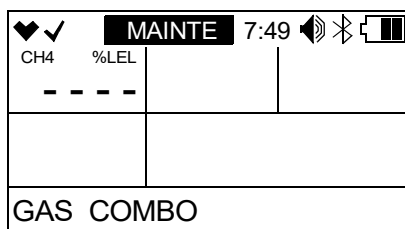
8. Reinstall the filter gasket assembly onto the sensor retainer. The gasket tabs face down.
9. Reinstall the sensor retainer over the sensors.
10. Reattach the bottom cover to the GX-3R Pro. Push it onto the GX-3R Pro until it snaps into place.
11. Reinstall the two screws that were loosened in Step 3.

GX-3R Pro Setup

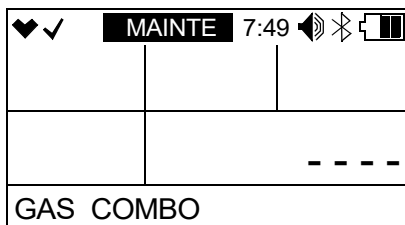
1. Enter Gas Select Mode.
 - a. Turn the GX-3R Pro off if it is on.
 - b. Press and hold AIR, then press and hold POWER MODE. The GX-3R Pro will beep after one second. Continue to hold both buttons down.
 - c. Release both buttons after the **third** beep.
 - d. The password screen appears. The first digit is flashing. The password is 2014.
2. After the password is entered, the Gas Select Mode menu appears.



3. Press POWER MODE to select the **GAS COMBO** menu. The first channel appears.



4. Press AIR to scroll to the 5th gas channel.



5. Press POWER MODE. The current target gas for the channel appears.



6. Use AIR to scroll to the **EXTRA** option.
7. Press POWER MODE to save the setting.

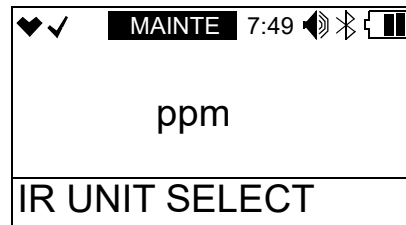
8. Press and hold POWER MODE to turn the instrument off.
9. Enter User Mode by pressing and holding AIR and POWER MODE, releasing when you hear the **first** beep.
10. Enter the User Mode password if that function has been turned on.
11. Use AIR to scroll to **IR UNIT SELECT**.



12. Press and release POWER MODE. The current setting will flash.
13. For IRR-0409 sensors, ensure that **vol%** is displayed. For IRR-0433 sensors, ensure that **ppm** is displayed.



IRR-0409 Sensor



IRR-0433 Sensor

14. Press AIR to change the setting, if necessary.
15. Press and release POWER MODE to save the setting.
16. Press AIR to scroll to **START MEASURE**.
17. Press and release POWER MODE. The instrument returns to Measuring Mode.
18. Before using the newly installed sensor, the instrument must be calibrated as described in the GX-3R Pro or SDM-3R Operator's Manuals.