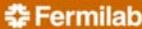


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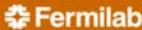
Oxygen Deficiency Hazard (ODH)



Fermilab also uses the O1 Series Oxygen Monitor.

 < || > FN000029

* The O1 series is small single gas personal monitor that utilizes an advanced miniature sensor to detect the presence of combustible gasses, oxygen, carbon monoxide or hydrogen sulfide. In the event of a dangerous gas condition the O1 series has a distinctive combination of audible, visual and vibrating alarms and an audible alarm for malfunctions. Other capabilities include a large liquid crystal display, auto back lights that alarm short exposure level alarms of STEL , time weighted average alarms or TWA a built in time function, as well as a belt clip and alligator clip mounting options for hands free operation.

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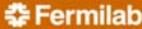
Oxygen Deficiency Hazard (ODH)



The O1 Series monitor is a small single gas personal monitor that utilizes an advanced miniature sensor to detect the presence of oxygen.

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* To start up the O1 series, press and hold the Power Mode button for 1 second. The alarm lights will flash. The buzzer will sound and the vibrator will vibrate. The unit will then test all elements of the LCD and display the current battery voltage. The buzzer sounds again after the battery voltage is displayed and then the O1 series is in measuring mode.

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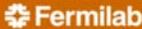
Oxygen Deficiency Hazard (ODH)

To turn on the O1 Series monitor, press and hold the POWER/MODE button for 1 second. Please note that:

- Monitors are NOT always energized.
- The audible alarm, vibrator and lights activate when the warm-up sequence occurs.



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Oxygen Deficiency Hazard (ODH)

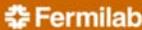
In order to perform a fresh air adjustment:

1. Press and hold the AIR button. The LCD will display "hold".
2. Release the AIR button when the LCD displays "Adj".
3. The instrument will set reading to 20.9% volume oxygen.



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* To replace the alkaline batteries verify that the O1 series is off. Remove the bottom rubber boot from the unit. Rotate the battery cover screw counter clockwise to remove the compartment door. When inserting the new batteries note the polarity indication inside the battery compartment. Reinstall the battery cover and rubber boot.

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Oxygen Deficiency Hazard (ODH)

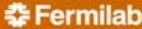
A low battery indicator is given on the LCD display when the last remaining bar of battery icon flashes and indicates the battery needs to be replaced.

- If the battery is dead, the gas reading indicates *FAIL* and double pulsing tone occurs every second.
- Use two AAA batteries. The video on the right will show you how to replace the batteries.



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* The O1 Series will sound an alarm and the unit will vibrate when the target gas concentrations rises above the first alarm point or in the case oxygen falls below the low point alarm setting for that gas. The flashing LED lights, audible tones and vibrations of alarm 1 will alert at a rate of once per second. Also, the LCD will display the name of the gas and alarm, the back light will turn on and the gas reading flashes. The O1 series also sounds an alarm and vibrates when the 2nd alarm point is reached for LEL, CO, or H2S or when the concentration of oxygen rises above 23.5%.. The flashing LED lights, audible tones and vibrations of alarm 2 will alert at a rate of twice per second. The LCD also displays the name of the gas and alarm, the back light turns on and the gas reading flashes. Other alarm conditions include TWA, STEL, over range, low battery warning, dead battery alarm and sensor failure.

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Oxygen Deficiency Hazard (ODH)

The O1 Series will sound an audible alarm, vibrate, and flash a visual alarm when the oxygen level drops below 19.5%.



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To display the MIN and MAX oxygen readings on the O1 Series monitor:



