

EntryRAE Gas Monitor Standard Operating Guide

3/8/06

NOTE: If the gas monitor does not behave as described below, turn off and consult instruction manual.

Turn Monitor ON:

Watch the display and be prepared to respond to step 5.

1. Turn monitor on by pressing the black **Φ** key centered between the Y and N keys for 1 second.
 - 1.1 All display segments and alarm lights will appear.
 - 1.2 Buzzer sounds twice.
 - 1.3 Display will scroll through alarm limits (High, Low, Time weighted average – TWA, Short Term Exposure Limit – STEL).
2. Time and date settings will appear (ddmmyy).
3. Photoionization Detector (PID) warm-up period of up to 3 minutes if monitor has not been used recently. PID lamp icon appears and warm-up countdown from 180 seconds will appear.
4. Last calibration date is displayed or “Cal needed” will appear.
5. Fresh Air Calibration is requested – press **Y** key. Fresh air calibration should be done before each use.
6. Display counts down from 5 to 0 seconds.
7. “Cal updating” will appear then unit will be in **Monitor Mode**. Pump will cycle on and off about every 8 seconds unless it enters or approaches an alarm condition, then it will run continuously for more accurate readings.
8. **Clean air reading is 20.9% O₂ – all other readings should be “0”.**

Turn Monitor OFF

1. Press the black **Φ** key for 5 seconds, display will count down from 3 to 1 with alarm sounding.
2. Release the black **Φ** key when “Unit Off” is displayed.

Do not enter an area if any alarms are sounding without SCBA.

To test alarm, press and release the “Y” key while in Monitor Mode.