

**Hampshire College
Industrial Scientific M40 Multi-Gas Monitor
Basic Operating Instructions**

Manufacturer's instructions are available at Environmental Health and Safety. Only trained individuals can use this equipment. Be sure to sign it out.

1. Turn the meter on - **push the "mode" button** (inner left) for 1 second
 - The display will do a self-test (you will see some symbols and numbers flash).
 - Next, the display will show a 20-second countdown.
 - When the countdown is complete, the meter will automatically go into normal gas detection mode. The main display screen will look something like this:

0 CO
0 H2S
20.9 O2
0 LEL

- The lower left corner of the display will show a battery icon indicating battery life - (the meter will beep periodically to warn you when there is only 10 minutes of battery life remaining – EXIT THE SPACE).
2. At this point, the meter is working, but zeroing the sensors is recommended:
 - **Press the "up arrow" button**, (outer right), once.
 - You will see a symbol like this: \emptyset **Press the "enter" button** (inner right).
 - While it is zeroing, the display will show a clock icon and the full span of the oxygen sensor.
 - When it's done zeroing, you'll see the calibration icon (which looks like a gas cylinder with a hose) and the "enter key" icon (which looks like an arrow pointing down and to the left) - EH&S calibrates the meter each month.
 - **Push the "mode" button** (inner left) once to return to normal gas detection mode.
 3. The meter has an internal pump attached. Test the space before entry by attaching tubing to the pump and lowering it into the space – Allow at least 2 seconds per foot of tubing.
 4. Enter the space only after determining it is safe – the meter must be carried at all times while in the space.
 5. If the alarm goes off at any time while you are in a confined space, EXIT IMMEDIATELY.
 6. To turn the meter off, **press and hold the "mode" button for 5 seconds**. You will see a flashing "H," meaning hold. The unit will beep 5 times, and then shut off.