Jacobson & Greiner
Group of Companies

Portable Gas Monitor Bump & Calibration

Developed by:	Approved by:	Date created:	Last revision:
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Possible Hazards Present	Personal Protection Required	Additional Training
- Exposure to toxic gases	- Eye Protection - Rubber Gloves (if working with internal parts/filters)	- WHIMIS

I. PRE-SERVICE CHECK FOR MONITOR
1. Check condition of unit
2. Ensure the monitor is clean and sensor holes are clear of debris.
3. Calibration sticker is attached, legible, and up to date (within 6 months)
4. Turn on and monitor start-up.
5. Ensure the battery is fully charged.
6. Ensure the date and time correct.
7. Calibration date on unit matches sticker.
8. All values are 0 and 02 is 20.8
   - **Note: If any sensors have an error code (i.e.: span error or negative value) or the unit is alarming perform a Zero Calibration, then Calibration twice, and another Zero Calibration. At that point if it is still erroring, take the unite to Elite Safety for servicing.**

II. SET UP
1. Ensure bottle of gas is not expired.
2. Have regulator attached to the bottle and valve is closed.
3. Set up in an open area where you have room to work.
4. Set up in a clean atmospheric environment.

III. CALIBRATION
1. HOLD the "↑" button until it asks, "Zero Cal?"
2. Hit the "OK" button to confirm.
3. Will say "Sensor Refresh" and takes a few minutes to refresh.
4. Screen will then pop up the values then "Span Cal?"
5. Click the "OK" button to confirm.
6. Attach the clip over the sensors – ensuring it is clipped in all 3 places.
7. Open valve on the regulator to turn on the gas.
8. Numbers will rise until they hit the limit.
9. Once complete it will beep.
10. Turn gas off and disconnect the clip.
11. Ensure all values zero and 02 is 20.8
    If any of the sensors read negative – redo the calibration.
    - **After calibration perform Bump Test**

IV. BUMP TEST

- **Note: while performing this task watch, listen and feel for other systems in the unit to ensure they are working properly (i.e.: lights, alarms, and vibrations)**

1. PRESS the "↓" button and it will ask, "Bump Test?"
2. Will see the bottle icon pop up on screen.
3. Attach clip over sensors – ensuring it is clipped in all 3 places.
4. Open valve on regulator to turn on the gas.
5. Numbers will rise until they hit the limit.
6. Will beep and say, "Bump Pass."
7. Turn off gas and disconnect clip.
8. Ensure all values zero and 02 is 20.8
9. Clear the Peak and Minimum values.
   1. Press "↓" button twice
   2. Press "↑" (clears peaks)
   3. Press "↓" button once
   4. Press "↑" (clears mins)
   5. Press "power" button to return to main menu.

Documentation/Legislation	
Workplace Safety and Health Regulation 2022 15.9(1) Purging and Ventilating unsafe Atmosphere. J&G Group Practice - Confined Space Entry J&G Group - SWP Confined Space Entry/Hazardous Confined Space Entry	**This Safe Work Procedure will be reviewed anytime the task, equipment or materials change and at a minimum every three years.**