

FOUR –GAS DETECTOR BUMP TEST AND SIGN-OUT

Required PPE	N/A
Tools/Eqpt	MicroDock II docking station, four-gas detectors
Hazards	Compressed gas (low concentration)
Employees	Security Officers

PURPOSE

The purpose of this SOP is to ensure a safe, uniform method of Bump Testing the BW GasAlert MicroClip X3 Four-Gas Detectors, and issuing them to designated competent StFX employees.

SAFE WORK PRACTICES

- Ensure compressed gas is secure and not expired
- DO NOT clean detectors
- DO NOT use any products near the detectors
- DO NOT use hand sanitizer before touching detectors
- Report all malfunctions to OHS



MicroDock II

DESIGNATED COMPETENT PERSONS

Detectors shall only be issued to the following trained employees:

Janet Beaton	Mark Delorey*	Kevin Latimer*	Laurie Reid*
Craig Bowie	Marlene Fitzpatrick	Greg MacDougall	Shawn Teasdale
Kevin Bray	Jimmy Gillis	Joel MacGrath	John Wiseman
Tony Bray	Terry Grady	Dana Myette	
Ronnie Broussard	Harris Hayne	Barry Purcell	
Wade Chisholm	Tyson Keats	Jude Rankin	

*may authorize issuance to a trained vendor worker.

PROCEDURE

Four-Gas Detector Bump Test with MicroDock II System

1. A bump test will be performed when one of the above designated-competent employees asks to sign out a detector. The detector will force a bump test every 24 hours.
2. Turn gas detector on by pressing blue button until the detector beeps.
3. The detector will stop at the bump test screen.
4. Ensure the alligator clip is closed and the ring is resting flat on the detector.
5. If in closed position, press the two release tabs on the docking module to open the lid.
6. Insert the bottom of the detector (serial number face up) at a **30°** angle into the detector bay. DO NOT force it!
7. Close the lid and press until the release tabs click.

NOTE: All tools and equipment shall be used in accordance with provincial OH&S legislation, manufacturer's specifications, applicable standards and codes of practice.

8. When the detector has been inserted correctly, the RUN LEDs on the docking module light yellow and **Unit Inserted** displays on the base station LCD. The base station LCD displays the module number, and the type and serial number of the detector.
9. Press OBUMP CHECK.
10. The gas is automatically applied (“rotten egg” odour is typical.)
11. The LCD displays the results of the bump test. The PASS LED lights green. (If the test fails, remove the detector from the docking module, power it down and call the OHS Officer {902 318 5309} for assistance.)
12. Press the two release tabs and remove the monitor.
13. Gas will purge for 45 seconds (“rotten egg” odour is typical.)
14. Record the time and date of the bump test in the *Four-Gas Detector Bump Test and Issue Log*.

Four-Gas Detector Calibration with MicroDock II System

1. A calibration is performed at least every 90 days. The detector will force the test after 90 days. (Note a test can be done more frequently than every 90 days, prior to it being forced, at the discretion of the OHS Officer).
2. Turn gas detector on by pressing blue button until the detector beeps.
3. The detector will stop at the calibration test screen.
4. Ensure the alligator clip is closed and the ring is resting flat on the detector.
5. If in closed position, press the two release tabs on the docking module to open the lid.
6. Insert the bottom of the detector (serial number face up) at a **30°** angle into the detector bay. DO NOT force it!
7. Close the lid and press until the release tabs click.
8. When the detector has been inserted correctly, the RUN LEDs on the docking module light yellow and **Unit Inserted** displays on the base station LCD. The base station LCD displays the module number, and the type and serial number of the detector.
9. Press OCALIBRATION.
10. The gas is automatically applied (“rotten egg” odour is typical.)
11. The LCD displays the results of the calibration. The PASS LED lights green. (If the test fails, remove the detector from the docking module, power it down and call the OHS Officer {902 318 5309} for assistance.)
12. Press the two release tabs and remove the monitor.
13. Gas will purge for 45 seconds (“rotten egg” odour is typical.)
14. Record the time and date of the bump test in the *Four-Gas Detector Bump Test and Issue Log*.

[LINK TO USERS' MANUAL FOR MICRODOCK II AUTOMATIC TEST AND CALIBRATION STATION](#)

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