GEM5000—Taking a Reading (Workflow)

1. Hold ⏻ until the instrument turns on. Logo screens and Self-Test screen will appear. Press **Next**.

2. Select 2 or 8 keys to scroll up or down through the list of Technician IDs. To add a new technician ID press the soft-key **Add**.   After selecting or adding technician scroll to the correct technician ID and press the enter key ↵ to continue.

3. ID's must be sent to the instrument from LSGAM software prior to them appearing on the instrument. *Note: Unlike the GEM2000, all ID's appear together in one list. GEM & GA are workflows with different screens. Any ID with a flow device set to "No Flow (GA Mode)" will automatically switch the GEM5000 to GA Mode. For all others GA mode can be selected by using the "Special Action" Menu.*
Choose the desired ID by scrolling up and down through the list. If the list is large or contains multiple sites the "**Filter List**" feature can be utilized to reduce the list to IDs containing a particular set of letters (IE. The first couple letters representing the site).

4. Select one ID from the list and press the enter key ↵ to continue.

5. Disconnect tubes and complete clean air purge.

6. If NAV option is installed, acknowledge the terrain warning then choose either:

a. **Store Location** if the ID does not have a location   b. **Continue**   c. **Options**

7. Choose **Special Action**, at any point in the reading if you need to restart the reading process or update Site Questions or ID Questions. Choose **Exit** to return to the reading screen.

Press **Start**. Connect the clear hose and press **Next**. The pump will turn on and draw a gas sample into the instrument.
Press **Next** to fix the initial gas reading. A message will pop-up saying "Initial reading fixed". Press **Dismiss**.
Note: pressing "Dismiss" simply dismisses the pop-up and continues with the reading.
Your reading will NOT be deleted.

8. If a temperature probe is <u>NOT</u> connected, press the **Temperature** soft-key. Enter the temperature and press the enter key ↵. If temperature probe is connected press the **Next** soft-key.

9. Disconnect the clear hose (and blue hose if connected). Allow pressures to return to zero or stabilize choose:

a. **Zero** if the pressures are <u>NOT</u> reading zero or close to zero.

b. **Next** if the pressures are reading zero or close to zero.

10. Connect the Clear hose to the white port on the instrument. Connect the Blue hose to the blue port on the instrument. Press **Next**.

11. Press **Next** to take the adjusted gas reading.   If needed, enter in the gas temperature press enter ↵ and then press **Next**. Press **Dismiss**.

12. Answer any questions that are assigned to the ID.

a. For selection comments use the 2 and 8 keys to scroll up and down. The currently selected comment will have a Blue highlight bar indicating it is where the comment. Press enter ↵ to place a checkmark ✓ in front of the chosen comment. Repeat until all desired comments are chosen. Press **Next** when done.

b. For Numeric entry questions enter in the Number and press enter. Press **Next**.

c. For Alpha Numeric questions enter in the letters from the keypad similar to entering a text message on a cellular phone by multi-tapping the letters. Press **Next**.

13. If a system pressure is required you will be prompted to zero and take a system pressure reading.

14. Click **Store** to save the reading.

15. Press the soft-key "Dismiss" to make the 'reading stored' message disappear.