

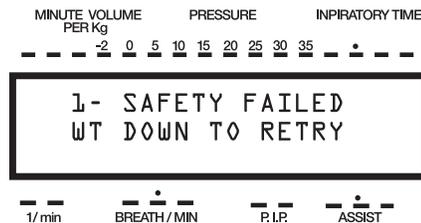
TROUBLESHOOTING THE A.D.S. 1000

NOTE: The use of certain types of electrosurge cauterizing units can cause severe radio interference resulting in locking up of the microprocessor. It is suggested to experiment with the supplied test lung to see which cauterizing units are compatible with the ADS 1000.

NOTE: The power supply that is supplied with the ADS 1000 can sometimes act as an antenna for receiving the interference from the electrosurge, sometimes unplugging the power supply (running in battery mode) aids in isolating the ADS 1000 from the electrosurges interference.

If you encounter any unusual difficulties with the A.D.S. 1000 call Engler Engineering at 1-800 445-8581. Engler Engineering Corporation warrants the A.D.S. 1000 to be free from material or manufacturing defects for two years. Do not attempt to repair the A.D.S 1000 on your own. Doing so will invalidate your warranty.

1. If upon Self-Test you get the following display:

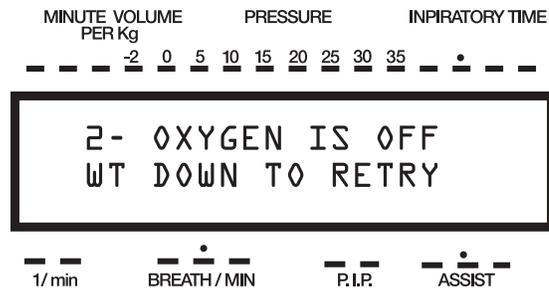


This indicates that the mechanical Safety pop-off valve inside the unit has failed.

- a. Call Engler's assistance hot line. 1-800 445-8581

TROUBLESHOOTING THE A.D.S. 1000 (cont.)

2. If upon Self-Test you get the following display:

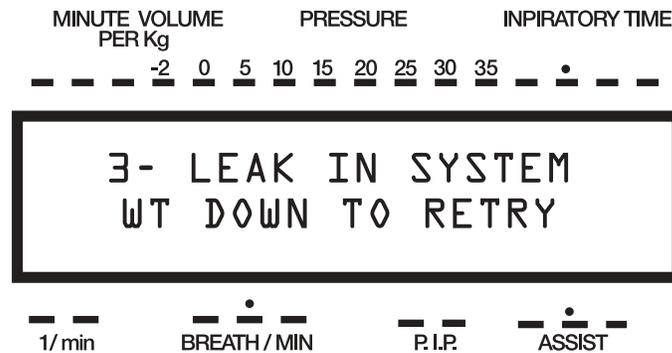


This may indicate a number of problems. In order to test all internal lines and valves the A.D.S.1000 attempts to pressurize itself and then checks for leaks. If it cannot pressurize itself then it will give the above readout. The causes for the error are as follows:

- a. No oxygen or very low oxygen pressure, check to insure that there is 50 P.S.I. of oxygen in the Green oxygen tubing that runs to the back of the A.D.S. 1000. Press WEIGHT DOWN button to retry.
- b. The "To Vaporizer" and / or "From Vaporizer" connectors are loose, check all vaporizer hoses and connectors, make sure they are secure and that they have no leaks. Press WEIGHT DOWN button to retry.
- c. The vaporizer has a leak internally, to eliminate this problem connect the White "To Vaporizer" hose directly to the Violet "From Vaporizer" hose, and Press WEIGHT DOWN button to retry.
- d. You are not placing you thumb over the "Y-Piece" on the end of the breathing circuit during start-up. Place your thumb over the end of the "Y- Piece" and press WEIGHT DOWN button to retry.
- e. Low battery recharge unit.
- f. If the problem persists call Engler's assistance hot line.
1-800-445-8581

TROUBLESHOOTING THE A.D.S. 1000 (cont.)

3. If upon Self-Test you get the following display:

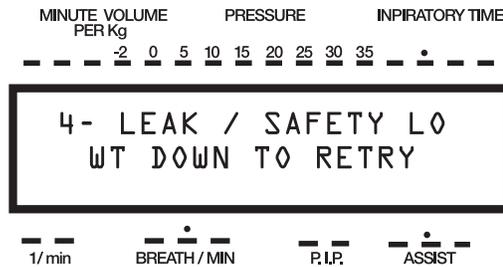


This indicates that there is leak somewhere in the system.

- a. There is debris or condensation trapped inside the exhale valve, perform a FLUSH of the unit by following the instructions in the **UNDERSTANDING THE FLUSH MODE** section of this manual. Then Press WEIGHT DOWN button to retry.
- b. One of the tubes coming out of the back of the unit is loose, check all connections and Press WEIGHT DOWN button to retry.
- c. The Breathing Circuit has a leak in it, check the Breathing Circuit for leaks and check to see if it is securely connected to the Breathing Circuit Ports on the front of the unit. Press WEIGHT DOWN button to retry.
- d. Vaporizer has a leak.
- e. Pop off valve adjustment needed.
- f. If the problem persists call Engler's assistance hot line. 1-800-445-8581

TROUBLESHOOTING THE A.D.S. 1000 (cont.)

4. If upon Self-Test you get the following display:

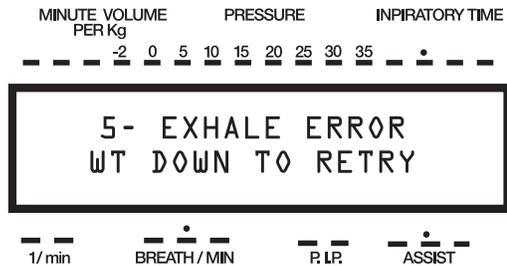


This display indicates that there is a minor leak or the Safety pop-off is releasing at too low a pressure.

- a. There is a loose connection to the A.D.S. 1000 or to the vaporizer, check all of the connections and secure them if necessary. Press WEIGHT DOWN button to retry.
- b. There is debris or condensation trapped inside the exhale valve, perform a FLUSH of the unit by following the instructions in the **UNDERSTANDING THE FLUSH MODE** section of this manual. Then Press WEIGHT DOWN button to retry.
- c. If the problem persists call Engler's assistance hot line.
1-800-445-8581

TROUBLESHOOTING THE A.D.S. 1000 (cont.)

5. If upon Self-Test you get the following display:



This display indicates that there is an obstruction to the exhale valve or that the exhale valve did not open. This error can be caused by the following.

- a. There is an obstruction in the scavenging system, check to insure that a free flow of exhaust gas can pass through the scavenging system. Then Press WEIGHT DOWN button to retry.
- b. An active scavenging system is being used and the active scavenger valve is in the CLOSED or SHUT position. Open the active scavenger valve and then Press WEIGHT DOWN button to retry.
- c. If the problem persists call Engler's assistance hot line.
1-800-445-8581