

## INSTALLATION INSTRUCTIONS

1. **Connecting the Oxygen Hose** - On the back panel of the unit there is a port marked "OXYGEN IN", connect one end of the Green Oxygen Hose to this port and connect the other end of this hose to your 50 P.S.I. oxygen source. Since the oxygen fittings are universally standard, you may use your own oxygen hose if desired.

**CAUTION:** IT IS EXTREMELY IMPORTANT THAT THE OXYGEN BE REGULATED TO A PRESSURE OF 50 POUNDS PER SQUARE INCH (PSI), FOR THE MINUTE VOLUME PER KILOGRAM DISPLAY TO READ ACCURATELY.

2. **Connecting the White Vaporizer Hose** - On the back panel of the unit there is a port marked "TO VAPORIZER", connect one end of the White, To Vaporizer Hose to this port and connect the other end to your vaporizer inlet port.

3. **Connecting the Violet Vaporizer Hose** - On the back panel of the unit there is a port marked "FROM VAPORIZER", connect one end of the Violet, From Vaporizer Hose to this port and connect the other end to your vaporizer outlet port.

**NOTE:** The A.D.S. 1000 must be used with a *precision* Halothane or Isoflurane vaporizer.

4. **Connecting the Scavenger Tubing** - Connect one end of the Blue Scavenger tubing to the "SCAVENGER OUT" port on the back of the unit. Connect the other end to either a "passive" or "active" scavenging system. This will help to eliminate all traces of anesthetic gases used in the operating room that could pose a possible hazard to personnel. The use of a f/air anesthesia gas filter unit or active anesthesia scavenger system is highly recommended. Care must be taken to ensure that the scavenger port is not blocked by improper use of these devices as the animal's ease of expiration depends on the resistance of the scavenger line.

5. **Connecting the Power Adapter** - Connect the small male plug of the power adapter into the back of the A.D.S. 1000 at the 12 VDC @ 1.2 A outlet. Then plug the adapter into an electrical outlet. The power adapter contains electronics for the charging of the internal battery backup, while this adapter is made of sturdy material, excessive ill treatment could result in failure of the adapter.

**NOTE:** The A.D.S. 1000 has 12 hours of battery backup for uninterrupted ventilation during power failure. Complete battery recharging is accomplished in approximately 8 hours.

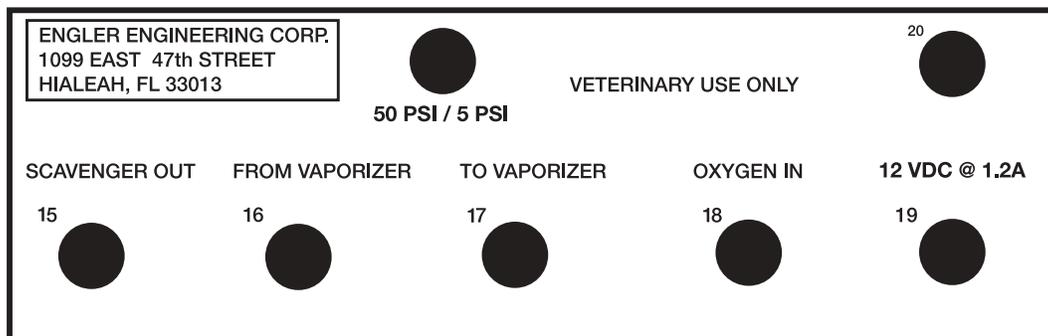
6. **Connecting the Breathing Circuit** - Connect the two large ends of the breathing circuit to the "BREATHING CIRCUIT" ports on the front panel of the A.D.S. 1000. You may use your own breathing circuit if you desire. The top port (inspiratory) of the ADS 1000 feeds oxygen/anesthesia into the animal's lungs. The bottom port (expiratory) is the exhaust. After the lungs have been inflated the internal exhale valve allows the natural elasticity of the animal's lungs to exhale oxygen/anesthesia through this port.



## GETTING FAMILIAR WITH THE A.D.S. 1000 (cont.)

- [11] **ASSIST UP / DOWN Buttons** - These buttons set the sensitivity of inspiratory effort necessary for the A.D.S. 1000 to facilitate an assisted breath. They also allow the assist feature to be turned off.
- [12] **LCD DISPLAY** - Displays minute volume, inspiratory time, proximal airway pressure, flow rate, breaths per minute, peek inspiratory pressure, and assist pressure.
- [13] **BREATHING CIRCUIT PORTS** - Connect the breathing circuit to these ports.
- [14] **BATTERY LOW INDICATOR** - The red led on the front panel of the A.D.S. 1000 is a warning indicator that the battery power is low, and that the unit should be placed on charge immediately. When the unit is first powered up the led will self test by flashing on and then should remain off. When the battery is nearly discharged the led will remain on indicating that the unit should be charged immediately.

### Rear View:



- [15] **SCAVENGER OUT** - Connect one end of the blue "Scavenger" tubing to this port and connect the other end to a scavenging filter canister or other scavenging device, either active or passive.
- [16] **FROM VAPORIZER** - Connect one end of the violet "From Vaporizer" tubing to this port and connect the other end to the outlet port of your precision vaporizer.
- [17] **TO VAPORIZER** - Connect one end of the white "To Vaporizer" tubing to this port and connect the other end to the inlet port or your precision vaporizer.
- [18] **OXYGEN IN** - Connect one end of the green "Oxygen" tubing to this port and connect the other end to an oxygen source that is set to a pressure of 50 P.S.I. (pounds per square inch).
- [19] **POWER INLET** - Connect your power cord to this port.
- [20] **ALARM** - This is the alarm speaker.