

MiniRAE 2000 Cheat Sheet

Calibration Procedure:

- 1) Turn unit on.
- 2) Wait until unit reaches the Ready screen.
- 3) Press the **MODE** and **N/-** keys at same time (until unit displays calibrate/select gas)
 - When unit reads calibrate/select gas **Press Y/+** key
 - Fresh air cal? – **Press Y/+** key to zero unit
 - Let unit go thru with the zero cal (15 second countdown then zero)
 - Fresh air cal? – **Press N/-** key
 - Span cal? – Have your span gas ready – **Press Y/+** key
 - Introduce the gas
 - Let unit go thru with 30second countdown and span cal
 - Keep gas on until unit prompts you to turn gas off
- 4) Unit should be within a range of + or – 2% of span gas.
- 5) Unit is now calibrated.
- 6) Press the **MODE** key 2 times to get back to the ready screen

Moisture Test:

- 1) Once unit is in READY Mode, Press the Y/+ Key to reach the Survey Mode.
- 2) From the Survey Mode, a moisture test can be used to determine if the PID Sensor needs cleaning.
- 3) Cup your hand around the probe tip and blow into it. This produces very humid air to travel thru the PID Sensor. The Readings should not go up past 10ppm.
- 4) If you get readings higher than 10ppm, the PID sensor should be cleansed in a sonic bath of methanol.

Cleaning Procedures:

- 1) Remove **Probe Tip** from MiniRAE 2000
- 2) Replace the **Humidity C- Filter** located at the end of probe tip, behind the **Porous Metal Filter**.
- 3) Remove the **PID Sensor** (white piece located under large screw-on cap of MiniRAE 2000.
- 4) Clean **PID Sensor** in a sonic bath of methanol. – This removes dust, dirt and moisture from the sensor.
- 5) Remove **Lamp**, clean with Q-tip and methanol.
- 6) Clean **Lamp Housing** – Using a Q-tip and methanol, spiral down lamp housing cleaning walls of housing.
- 7) Reassemble and Recalibrate