

## Notes on Allen BAR 90 four gas analyzer

Leave the unit plugged in with the rear switch on at all times, this keeps the motherboard clock batteries charged.

If the unit won't start up because of a dead clock battery, follow the onscreen instructions to get to the BIOS setup screen (usually pressing the F2 key). You can also access the BIOS setup screen by pressing the Control-Alt-S keys simultaneously at startup. You may have to turn off the Number Lock if that LED is lit on the keyboard.

### BIOS settings:

Set time and date as required using the arrow keys.

Diskette A: 3.5 inch 1.44 MB  
Diskette B: 3.5 inch 1.44 MB  
Hard Drive C: Not Installed  
Hard Drive D: Not Installed  
Base memory: 640KB  
Extended Memory: 384 KB  
Display: EGA/VGA  
Keyboard: Installed  
CPU Speed: High  
Coprocesor: Not Installed

**NOTE:** After changing the BIOS settings, it may take several attempts before you get it to start up. If the machine hangs during warmup (you'll get a message about "unstable channels"), press the escape key, turn off the machine, wait 15 seconds and turn it on gain.

Main screen auxiliary functions password is 11111 or 22222, either will allow you access to the screens for calibration, etc.

Oxygen sensors last about two years, they are about \$75 new on the Internet. Look for a type R-22A, part # 697-88886 Oxygen sensor.

Calibration gases are available, check online for BAR 90 Low and Mid blends.

Filters are available from various smog supply vendors, check online.

Printer ribbons are also available, check online for Okidata Microline Printer ribbon.