

# ***Alcovisor<sup>®</sup> Jupiter***



## **Advanced Settings Manual**

***PAS Systems International, Inc.***

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## Introduction

This manual contains the passwords and instructions on operating the advanced settings of the Jupiter along with the proper procedures to be used for instrument calibration.

## Passwords

### Default Passwords:

- Calibration: Please contact PAS Technical Support at 800-660-7643 for password support.
- Advanced Settings: 112112
- BlankLock: 118118

The default passwords for advanced settings and calibration can be changed. To change the passwords, please refer to the “Password” section under Advanced Settings in this manual.

**WARNING: If you change the password, write it down. The new password must be sent in with your unit if it should need service.**



## Advanced Settings:

Select the icon for Advanced Settings and input the password 112112.

1. **Blow:** This icon under advanced settings allows the user to change the blow time (in seconds), initiate flow rate (in L/M) and minimum volume (in L). These are already set for optimal performance; it is not recommended that they be changed. Default settings are 8L, 3 s and 1.2L.
2. **Default:** Select yes under this icon to return instrument to Default settings. NOTE: Settings have been optimized and it is not recommended to return to Default settings.
3. **Unit:** Set the measurement unit and BAC/BrAC ratio. If unit is changed, the instrument does not need to be recalibrated.
4. **Password:** The default passwords for advanced settings and calibration can be changed. Select “Cal” or “Advanced Setting” to change the password. Enter the new password and select  to confirm. Screen will display “Password Setting Succeed”.

***NOTE: Instrument requires a 6-digit password. If less than six digits are used, password will not store properly.***

***Warning: If you change the password, write it down. The new password must be sent in with your unit if it should need service.***

You can also choose whether to save Passive Screening Test Results by checking the box, the default is Not Saved.

5. **Delete:** This option allows for the deletion of ALL saved test records stored in the Jupiter. Once you select “Delete All Records”, they cannot be restored.

6. **Field:**

- i. Nine different fields can be set.
- ii. Left boxes: the fields needed to be shown and printed
- iii. Right boxes 1: the previous data inputted will be kept until the user changes it.
- iv. Right box 2: set compulsory entry.
- v. Touching the name of the field to change it.
- vi. A header of the printout can be set by entering the words in the field "Header".

7. **Alert:** Allows user to choose a BAC point where result will display in RED and beep. User selects the value (0.000 to 0.100%) and any test result at or above this value will display in red.

8. **Blanklock:** The password to access the Blanklock option is 118118. This optional lockout/timer will cause the Jupiter to begin a 15-minute countdown timer when a breath sample with a result of 0.020 % or higher is detected. To turn on this feature, enter Blanklock and select Yes. To turn off this feature, enter Blanklock and select No.

9. **Calibration:** Please refer to the calibration instructions included in this manual for proper calibration procedures.

10. **Calibration Period:**

- a. Select the number of days in the first column and number of tests in the second column that may be allowed to occur before calibration is needed.
- b. Select "LOCK" to lock the device if calibration is needed.
- c. Default is 360 days, 700 tests and unlocked.

## Calibration

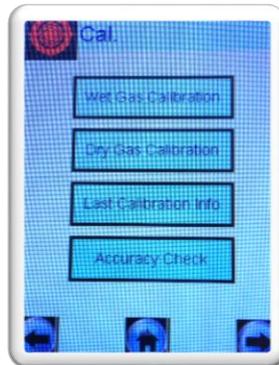
PAS recommends all Jupiter units be calibrated annually or whenever an accuracy test shows that BAC readings are no longer within tolerance limits. Because precise calibration is crucial, it can be performed only by PAS Systems International or by

persons who have been properly trained for alcohol detector calibration. (Calibration of the Jupiter **must** be performed using a NHTSA-approved wet bath simulator or certified dry gas standard.) Successful completion of calibration should be recorded in a calibration log.

**NOTE:** When using dry gas (PAS recommends 0.080% dry gas concentration) for calibration, the alcohol concentration printed on the label of the dry gas cylinder must be corrected to account for altitude when conducting tests at or above an altitude of 250 feet above sea-level. Please refer to the Operating Manual for specific instructions for altitude corrections.

## **CALIBRATION: (Using an approved Wet Bath Simulator or Certified Dry Gas with proper Regulator)**

1. (It is recommended to set your AUTO OFF timer to 10 minutes in order to complete Calibration) Select the Settings Icon  and select “Cal.”.
2. Enter the password. Please contact Technical Support at 800-660-7643 for password assistance.
3. Select Dry Gas Calibration



4. Enter the concentration of the calibration solution/cylinder. Accuracy should be to one decimal place. The preset unit is mg/100mL. For example, enter 80.0 for 0.080% or enter 100.0 for a 0.100% solution.

**Note:** Remember to use the [High-Altitude Correction Chart](#) to adjust for altitude if needed based on your elevation.

More examples are in the following table:

Mg/100mL	%	‰ & g/L
20.0	0.02	0.20
50.0	0.05	0.50
80.0	0.080	0.80
100.0	0.10	1.00
150.0	0.15	1.50



5. Select  to confirm.

6. The next screen to appear is the calibration screen.  
The first line shown is the concentration of the calibration solution/cylinder.  
The second line is the temperature (22 to 28 C).  
The third line is the calibrated value (to be tested).



7. Place a new mouthpiece on the Jupiter and Connect the Jupiter to the cylinder.

*Note: Firmly press down on the mouthpiece to make sure  
The mouthpiece is securely attached to the Jupiter.*

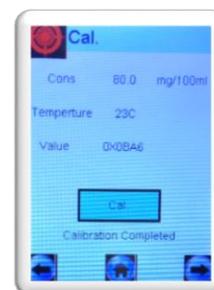


8. Press the gas regulator button, allowing gas to flow into the mouthpiece for 8-10 seconds. While still pressing on the gas, press the **Cal.** button to acquire a sample.

**The gas MUST be flowing into the mouthpiece while the sample is taken.**

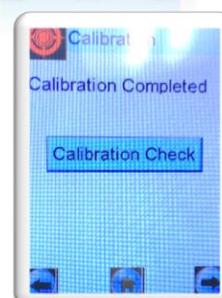
Once you hear the pump click, indicating the sample has been taken, you can release your finger from the gas and remove the device from the regulator.

9. A “Wait” screen will briefly flash and then the Calibration Completed screen will display.  
The calibrated value in the third line will be changed (this value is a mixture of letters and numbers).



10. Select  to confirm.

11. Wait 3-5 minutes and perform the Calibration Check. The Calibration Check must always be performed following the calibration to ensure successful calibration.  
You **MUST** do this step in order for your calibration data to save.



## **Safety, Maintenance, & Warranty**

### **Safety**

For correct and effective use of the Jupiter, it is essential to read and strictly follow the instructions contained in this document. The Jupiter is to be used only for the purposes specified herein.

### **Maintenance**

Repairs of the Jupiter may only be performed by PAS Systems International, Inc. or an authorized service technician. Only original Jupiter parts may be used.

To keep the instrument clean, periodically use a mild disinfectant and a soft cloth on the outside of the case. DO NOT use alcohol to clean the unit!

### **Warranty**

The Jupiter comes with a one (1) year limited parts and labor warranty, effective on the date of purchase. The warranty does not cover batteries or accessories. The warranty does not cover freight to the service facility, misuse or abuse of the product. Warranty is void if unit is found to have been tampered with.



DATIA Member



US DOT Approved



CE Approved

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