



ALCOVISOR[®]

MODEL: JUPITER X

Instruction Manual

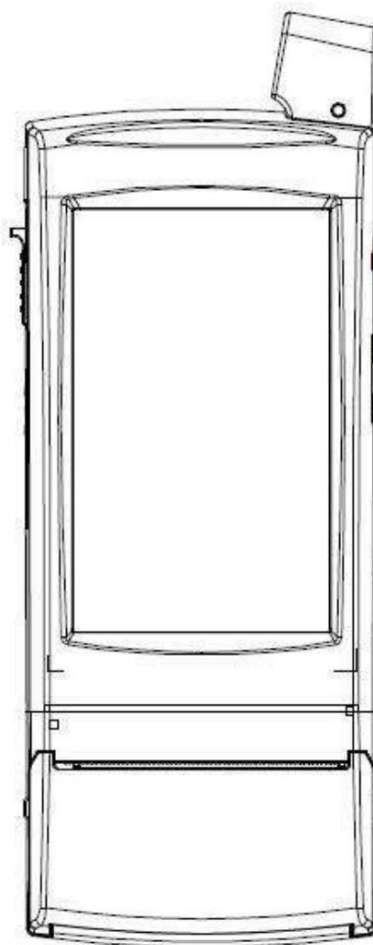
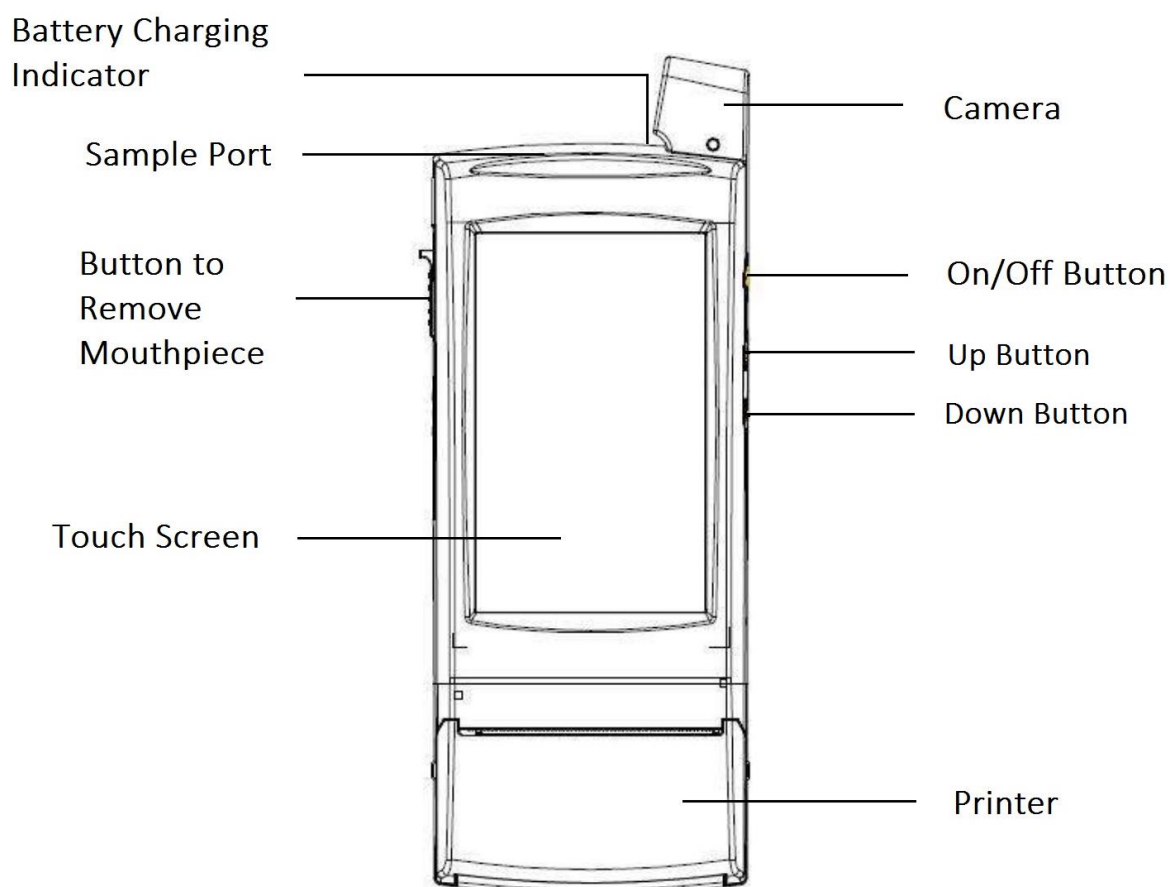


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STRUCTURES



Operator needs to read operation manual and familiar with the operation before using. Retain the manual for future reference.

INSTRUMENT FEATURES

PLEASE REFER TO DIAGRAM ON PAGE 1

1. DISPOSABLE MOUTHPIECE

For sanitary reason, each mouthpiece is individually packed and sealed. New mouthpiece should be attached to sample port for each test to prevent any contamination from the previous sample.

2. SAMPLING CUP

Sampling Cup is reusable. Attach sampling cup to the sample port. Do not touch the sampling cup with the mouth while providing a breath sample. Remove the sampling cup after use and clean it by alcohol for next use.

3. BUTTON TO REMOVE MOUTHPIECE

For sanitary reason, the mouthpiece can be removed by push the button underneath the mouthpiece.

4. TOUCH SCREEN DISPLAY

A touch screen display that will display corresponding instructions and alcohol concentration of the subject being test. Select the icons and buttons on the screen by using the stylus pen provided.

5. CAMERA

A photo of the testee will be taken and saved while blowing.

6. BATTERY CHARGING

The battery can be charged inside the device. The battery charging indicator turns red when the battery is charging, when the battery is fully charged, the indicator turns green.

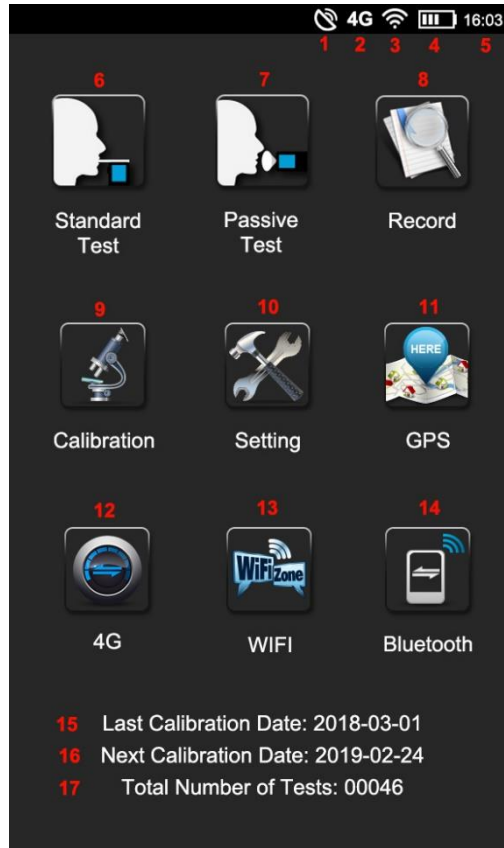
7. EXTERNAL POWER CONNECTORS

Connectors for 12V car (cigarette) adapter or optional 12V power transformer. Battery can be charged inside the device.










8. USB CONNECTOR

Use an USB cable to upload test records stored in the memory.

ICON DESCRIPTION



1	GPS Indicator	10	Setting
2	Wifi Indicator	11	GPS
3	4G Indicator	12	4G Setting (Optional)
4	Battery Indicator	13	Wifi Setting
5	Date & Time Indicator	14	Bluetooth Setting (Optional)
6	Standard Test	15	Last Calibration Date
7	Passive Test	16	Next Calibration Date
8	Test Records	17	Test Record Counter
9	Calibration		

-  Confirm/Enter
-  Cancel
-  Previous Screen
-  Next Screen
-  Save
-  Print
-  Restore
-  Search
-  Edit

INTRODUCTION

It is a state of the art instrument used to detect Ethyl Alcohol from a valid breath sample. It uses an electrochemical fuel cell to measure the concentration of alcohol from the sample of the expired breath from a human subject. If alcohol is present, a corresponding voltage is generated from the fuel cell, which is proportional to the alcohol content of the sample provided by a human subject. This voltage is then sent to the CPU and converted to a subject's BAC which is then displayed.

Instrument Features:

1. Test record storage is more than 100,000 entries with data and photo. Capability of uploading test records for record keeping.
2. Use disposable mouthpieces or sampling cups to prevent foreign matter from entering.
3. A hard plastic case is included for storing the device and accessories for easy transport. When not in use, the device and accessories should be stored in this plastic case to prevent damage.
4. Ability to run as often as needed. Recovery time between tests on average is 30 seconds between positive tests.
5. Powered by High-capacity lithium battery. Battery is located behind the sliding cover on the back of the device. The level of power left in the battery is indicated on the screen. A cigarette plug adapter is also included for use by the operator.
6. Storage temperature range is -25°C to 70°C, storage humidity is 15% to 90%, inappropriate storage of the device will shorten the lifespan of the fuel cell sensor.
7. GPS of the location of test will be saved.
8. Immediate data transmission by 4G and wifi.








OPERATING INSTRUCTIONS


Pre-test Conditions

1. Operating temperature range is -10°C to 50°C . Use within this temperature range will limit condensation from a subject breath to insure an accurate reading from a breath sample.
2. It is recommended that the operator to observe a subject for about 20 minutes before administering the breath test to insure that nothing is consumed or expelled from the mouth of the subject. Following this procedure will eliminate reading from mouth alcohol.
3. To ensure the fuel cell is kept in good condition, turn off the device after use and store it in appropriate condition.





Standard Test

1. After the blank test, input test information.
2. Attach a disposable mouthpiece onto the sample port.
3. When displays "Please Blow", take a deep breath and blow until BEEP tone stops and the Time and Volume bars are full.
4. A photo will be taken while the testee is blowing.
5. A passive test can be performed by pressing  during the testee is blowing.
6. Test result displays on the display. Press  to go to the next page.
7. If testee did not blow within 30 seconds, tester can press  to confirm the testee refused to do the test; or press  to allow testee to do the test again; or press  to quit the test.
8. If testee failed to give a valid breath sample, tester can press  to confirm; or press  to allow testee to do the test again.

9. Select  to print the test result.
10. Push the button underneath the mouthpiece to remove the mouthpiece.



Passive Test




1. Attach a sampling cup onto the sample port.
2. When displays “Please Blow”, take a deep breath and blow to the sampling cup.
3. Press  to take a manual sample during the testee is blowing to the cup.
4. “Alcohol Detected” or “No Alcohol” displays on the display.
5. Next test can be made immediately after a negative test.
6. If “Alcohol Detected”, use mouthpiece to perform a Standard Test to obtain an accurate test result with reading.
7. If “Alcohol Detected”, clean the sampling cup before new test to prevent residue alcohol.
8. Test result can be printed immediately after the test by pressing .

NOTE: Passive Test mode is only used for screening purpose, it is to check whether alcohol is found in the breath sample. An accurate test result can only be obtained by standard test.

NOTE: Test records of the screen tests can only be printed immediately after the test, but it cannot be stored.



Record

1. Over 100,000 test records can be stored with the photo of the testees.
2. Select the record and view the details of the test record. Individual test record can be printed by selecting .
3. Press  to search test records and press  again to confirm.



Calibration

1. When the screen displays “Calibration Needed”, send the device for calibration.
2. A password is needed for calibration to ensure calibration is performed by eligible persons.
3. Please refer to Calibration Instruction.



GPS

1. Longitude and Latitude of location of the device will be shown.
2. Longitude and Latitude of the test is stored in the test records and printed on the printout.

NOTE: GPS system only functioned 3-8 minutes after turn on the device. It can only receive signal in open area. If there is no GPS signal, the Longitude and Latitude will not be shown on the printout.



4G

1. Applicable for the units with 4G module only.
2. Insert SIM card.
3. Set the 4G setting.



Wifi

1. Enter wifi information to connect to the wifi.



Bluetooth

1. Applicable for the units with Bluetooth module only.
2. The default Bluetooth name is “AOSP on Drone”.



Setting

1. Basic Setting

Brightness level and Sleep time can be set

2. Time Setting

Set the date and time of the device

3. Print

- i. Print GPS: print the GPS location of the test on the printout.
- ii. Print Photo: print the photo of the testee on the printout.

4. Device Info

- i. Device Information including software version number will be shown.

5. Upload

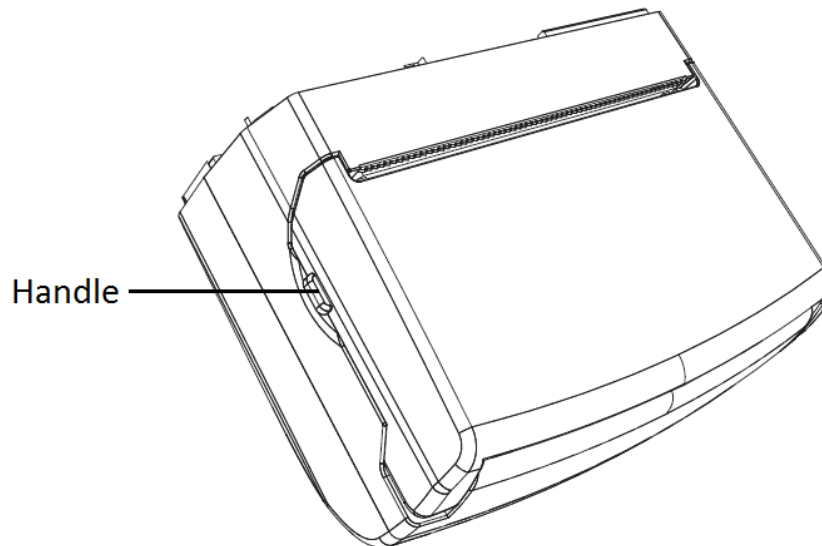
If a backend server is used for data upload, the IP address of the server is showed (IP address can only be changed in the Advanced Setting). Set Auto Upload if needed.

6. Advanced Setting

- i. Only legitimated persons are allowed for advanced setting.
- ii. A Password is needed.
- iii. Please refer to Advanced Setting Instruction.

PRINTER

An attachable built-in thermal printer is used for the device.



INSERT PAPER

Pull the handles on the side to open the printer cassette and inset thermal paper. When inserting a new roll of paper, ensure glossy side of the paper is kept close to dentation.

NOTE: If nothing can be printed, turn the paper to another side and try again.

STANDARD TERMAL PAPER WIDTH

5.7cm



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