ALCOVISOR®

MODEL: JUPITER X

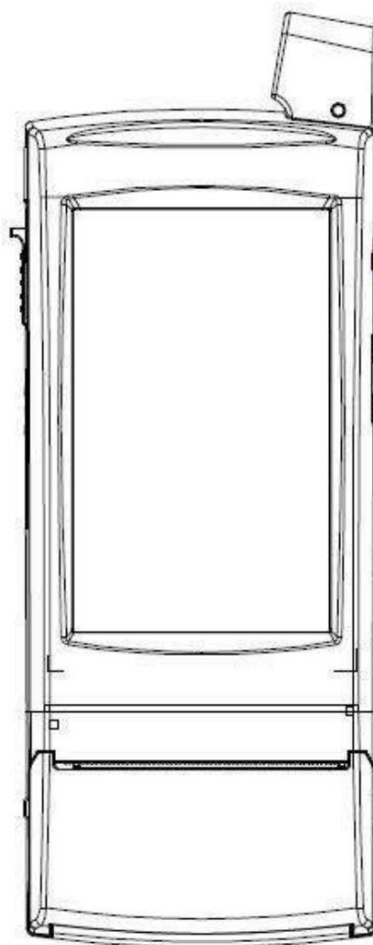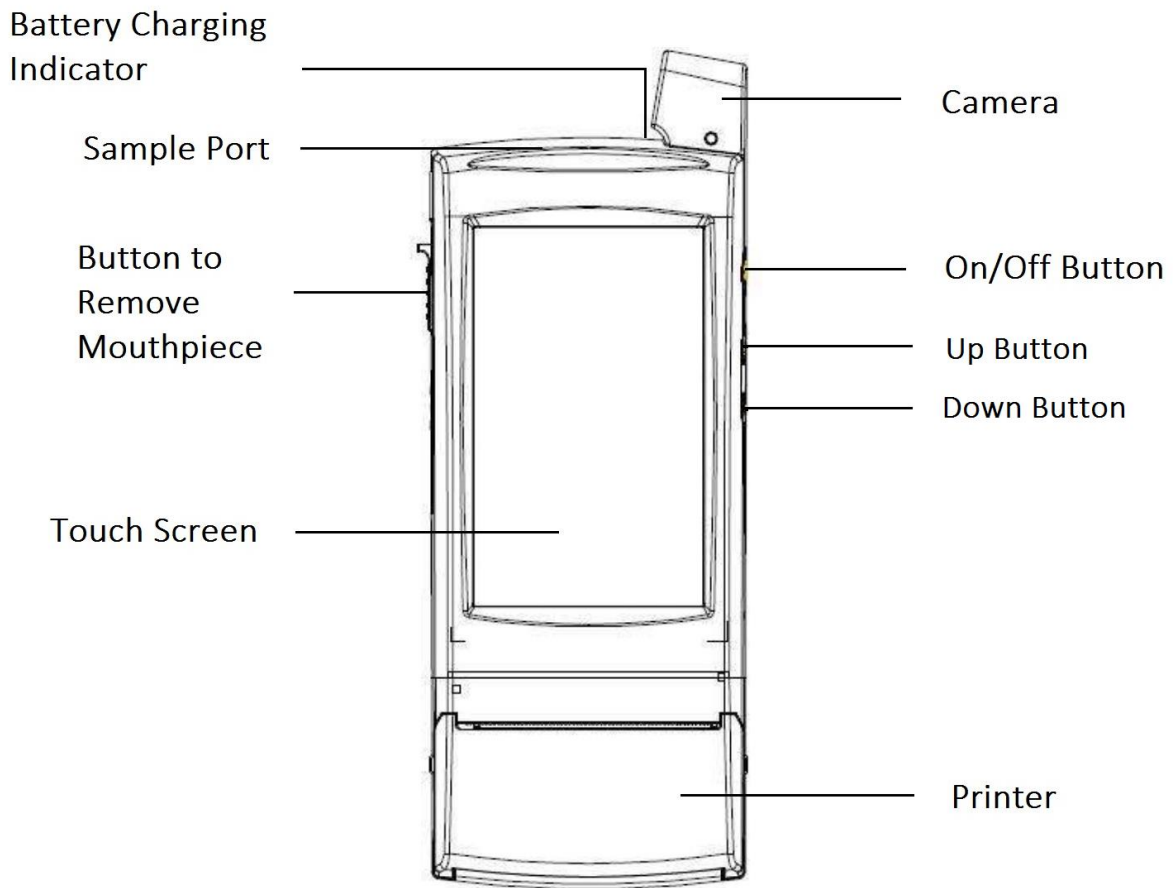# Instruction Manual

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

INSTRUMENT FEATURES

PLEASE REFER TO DIAGRAME 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
   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 and upgrade the software.

ICON DESCRIPTION

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Confirm/Enter   Previous Screen/Cancel   Next Screen

Previous Record   Next Record   Print

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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 3G, wifi or Bluetooth.

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. Attach a disposable mouthpiece onto the sample port.
2. Input information by a stylus pen.
   NOTE: Maximum 24 characters for each input.
3. When displays "Ready, Please Blow", take a deep breath and blow until BEEP tone stops.
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.

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.

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. A passive test can be performed by pressing during the testee is blowing.

10. Select to print the test result.

11. Push the button underneath the mouthpiece to remove the mouthpiece.

 Screening 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. "Alcohol Detected" or "No Alcohol" displays on the display.

4. A passive test can be performed by pressing during the testee is blowing.

5. Press to start another test.

6. If "Alcohol Present", use mouthpiece to perform a standard test to obtain an accurate test result with reading.

NOTE: Screening Test is only used for screening tests, 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 cannot be printed nor stored.

 Test 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 by fields and press 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 and printed on the printout.
NOTE: GPS system only functioned 5-10 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.

Camera

1. Take photo by pressing .
2. Press to check the photo.
3. Press and to check the photo records.

3G

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

Bluetooth & Wifi

1. Enter information required.
2. Select "Auto upload" if the test results need to be uploaded to the server immediately.

Setting

1. Time Setting
    i.   Set the date and time of the device
    ii.   Select Auto Off and the time limit for auto off.

    iii.   Select to confirm.

2. Touch Setting
    i.   Touch screening calibration if the touch screen is not sensitive enough.
    ii.   Follow the instruction on the screen to calibrate the screen.

3. Basic Setting
    i.   Backlight Setting: set the brightness of the backlight by moving the bar.
    ii.   Print Photo: print the photo of the testee on the printout.
    iii.   Skip Data Input: skip data input except the compulsory entries.
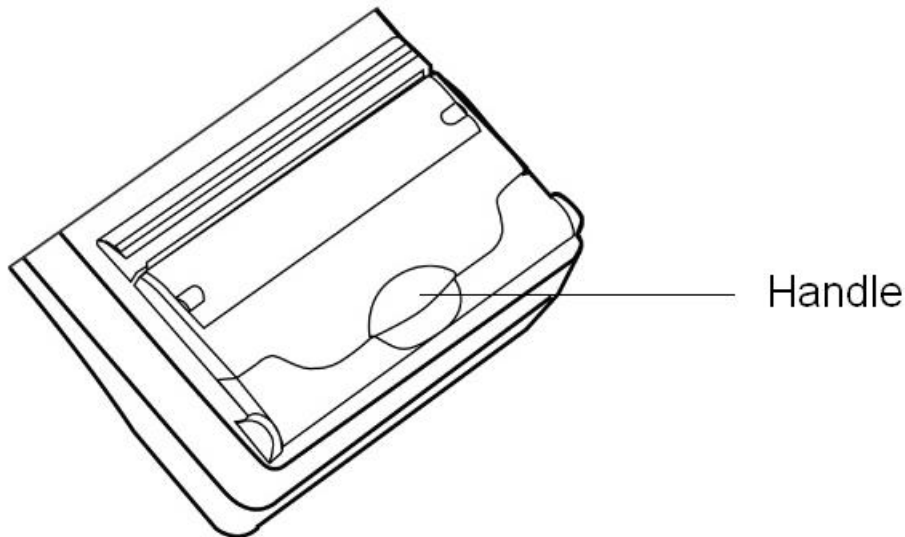
    iv.   Select to confirm.

4. Version Info
    i.   Software version number will be shown.

5. 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.

Handle

INSERT PAPER
Pull the handle 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, change the side of the paper and try again.

STANDARD TERMAL PAPER SIZE
6cm X 500cm

TOUCH SCREEN CALIBRATION

If the touch screen is not sensitive enough, please calibrate the screen. Swich on the device, press and hold the Up Button and then press the Down Button, hold them together for 3 seconds. Follow the instruction on the screen to calibrate the screen.