

材质：157克铜版纸

尺寸：525*105mm

工艺：双面印刷

装订方式：风琴折

ALCOVISOR® MARS Alcohol Detector Instruction Manual



Complies with EN 16280:2012

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Points to Remember

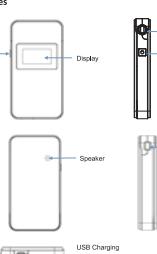
- There must be an interval of at least 15 minutes after alcohol has been taken into the mouth. Residues of alcohol in the mouth may give false measurements. Do not drink alcohol, medicines and drops, as well as belching and vomiting. Rinsing out mouth with water or non-alcoholic drinks do not substitute for an interval.
- Some foods and even "non-alcoholic" drinks may contain traces of alcohol. When a test is done through a "non-alcoholic" drink, to prevent this, wherever possible, insure that a delay of about 20 minutes has passed since taking anything by mouth – even medicines which may contain alcohol. Even a glass of water used to rinse the mouth and dilute the saliva, temporarily reducing the level of alcohol in the breath, and consequently, the instrument reading. A delay of at least five minutes should also pass between the time of last smoke and the test.
- Smoke cannot be blown into the device because it will damage the fuel cell.

Date & Time Adjustment

To adjust time and date of the device, please download Android/iPhone mobile APP "Alcovisor Elite", connect the device with the App by Bluetooth, date and time will be adjusted automatically.

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Structures



Button Operations:

- Press and Hold: Switch on/off, back to previous page
- Single press: Move cursor
- Double press: Select, enter

Operating Instructions (Without connecting to Smartphone App)

- Mars is using a 400mAh li-Ion rechargeable Battery, charge the battery by a micro USB cable, the red light inside the chamber will turn on when charging.
- Press and hold the On/Off button for 2 seconds to switch on the device. The device will also be automatically switched off after 3 minutes.

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3. Main screen:



4. It is normal for a device to have a record around 10 tests, as the device needs to be tested after calibration.

5. Press the button one time, go to the test mode:



6. Insert a mouthpiece: take a deep breath and blow CONTINUOUSLY until a click sound is heard. A beeping tone will be heard when blowing. Test result will display on the LCD.

7. To make a passive test, press the button when the word "Please Blow" is displayed on the LCD or during the blow

Reminder: Passive test cannot be performed when test is done through the mouthpiece.

8. Double press the button to perform another test.

Reminder: To perform a test immediately after a **POSITIVE test, change the mouthpiece and make a **passive** test with clear air before the test to prevent residues.**

9. Double press the button to return to the main screen.

10. Press and hold the On/Off button for 2 seconds to switch off the device. The device will also be automatically switched off after 3 minutes.

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11. To print the test result, connect the device with Alcovisor® printer with USB cable before the test. Test result will be printed automatically after the test.

Record Checking

- Switch on the device and enter the main screen
- Double press the button:



3. Double press the button to enter "Record".

4. Most recent record will be displayed.



5. Press the button to move to the previous record.

6. Press and hold the button to return to the previous screen

7. 100 records can be saved, the 101 record will replace record number 1 and stored.

8. All records will be deleted after calibration.

Device Info

To check the serial number of the device, fuel cell module number and the software version of the device, double press the button to enter "Device Info".

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Calibration and Setting

Calibration and Setting are protected by passwords and can only be operated by trained operator.

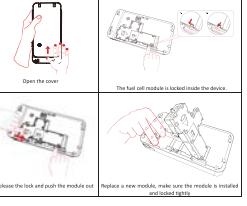
Printing Test Result

If printer is using, connect the printer with the device by the cable provided BEFORE the test, switch on the printer. After test result displays, test result will be printed automatically.

Changing Fuel Cell Module

When the device needs to be calibrated, please send the device to calibrate or change a new Fuel Cell Module.

Procedures:



Warning:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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Operating Instruction (With APP)

The Android and iOS mobile APP "Alcovisor Elite" can be used with Mars, compatible with Android version 4.3+ and iOS 9.0+, and the internal bluetooth module of the mobile is 4.0+.

Switch on the device, and open the App "Alcovisor Elite". Both Bluetooth signal and connection signal is shown when it is successfully connected with the App.



10:21:23 10 25 °C 100%
Next Calibration 2022/07/20
2022/07/20 00000

Icon	Function
	Android: Listing Menu (iPhone: The menu is at the bottom)
	Disconnected
	Connecting
	Connected
	Tap the middle of the icon to start a test. Reminder: Manual test is not available when test with the App.
	There must be an interval of at least 15 minutes after alcohol has been taken into the mouth. Residues of alcohol in the mouth may give false measurements.

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Icon	Function
	Show last test record
	Back to home menu
	Test record history
	Settings
	Disclaimer

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Icon	Function
	When the device screen display "Please Blow" and the mobile phone screen display "Please take the camera, take a deep breath and blow". Click result with time of test will be shown. A click sound will be heard during the test with test results printed on it.
	Android: Photo is saved in Alcovisor. iPhone: Photo is saved inside the app and can be exported to Photos.
	Tap this button to switch front and back camera

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Icon	Function
	Show all the test results. Select the specific record to show the details.
	Delete the specific test record.
	Add remarks of the specific test records.
	Tap this button to review the test photos.
	Date of the test, maximum days can be search is 1000 days.
	Time and test result.

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Icon	Function
	Tap this button to review the test photos.
	Tap this button to add remarks.
	Test Result
	Show the curve of the test results within 1 hour. The yellow line is the line for the alcohol alert limit, it can be set on the Settings page.

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Icon	Function
	Test photo
	Test Result Details
	Test photo
	Test Result Details

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Icon	Function
	Settings
	Save User Data (On/Off)
	Display the yellow line for the alcohol alert limit (On/Off).
	Set measurement unit and the BAC : mg/L and $\mu\text{g}/100\text{ml}$ according to the local regulation.
	Set the corresponding country and custom legal limit (for reference only).
	Delete all test records.
	Display the serial numbers of all the devices which have been connected with the App before

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