

## 1. Product Introduction

Is a multi-functional vehicle fault diagnosis instrument that supports nine OBD II/E OBD standard protocols. It supports plug and play, can quickly read the vehicle fault information and vehicle parameters. It is a more comprehensive fault diagnosis instrument. Please read the product manual carefully before using this product. Thank you.

## 2. Notes

- ⚠️ **1)** Do not use abrasive cleaners to clean this product
- ⚠️ **2)** Do not allow this product to be heated or close to fire sources
- ⚠️ **3)** Do not expose the product to direct sunlight for a long time
- ⚠️ **4)** Do not attempt to disassemble this product to make any modifications
- ⚠️ **5)** Do not use this product in rain
- ⚠️ **6)** Store in a dry environment to avoid extreme temperatures and dust

## 3. Introduction to Product Appearance and Function Keys



Device showing all function positions

### 3.1 Button Description

- ① **Connection Line:** Connect vehicle OBD interface
- ② **Display Screen:** 2.8" color, 240×320
- ③ **Quick Read:** Read current fault code
- ④ **Back/Exit:** Return or exit
- ⑤ **Direction Keys:** Up/down/left/right
- ⑥ **Red Light:** Fault code read
- ⑦ **F2:** Performance Test
- ⑧ **Orange Light:** Connection fails
- ⑨ **Green Light:** Connection successful
- ⑩ **Confirmation:** Confirm selection

### 4.1 Product Parameters

<b>Working Voltage</b>	DC 9-16V
<b>Operating Current</b>	34 ~ 51mA
<b>Operating Environment</b>	-20 ~ 60°C
<b>Storage Temperature</b>	-20 ~ 60°C
<b>Overall Dimensions</b>	173 × 91.7 × 25 mm

### 4.3 Support Agreements (9 Protocols)

- ☑️ 1. SAE J1850 PWM (41.6Kbaud)
- ☑️ 2. SAE J1850 VPW (10.4Kbaud)
- ☑️ 3. ISO 9141-2 (5 baud init, 10.4Kbaud)
- ☑️ 4. ISO 14230-4 KWP (5 baud init, 10.4 Kbaud)
- ☑️ 5. ISO 14230-4 KWP (fast init, 10.4 Kbaud)
- ☑️ 6. ISO 15765-4 CAN (11bit ID, 500 Kbaud)
- ☑️ 7. ISO 15765-4 CAN (29bit ID, 500 Kbaud)
- ☑️ 8. ISO 15765-4 CAN (11bit ID, 250 Kbaud)
- ☑️ 9. ISO 15765-4 CAN (29bit ID, 250 Kbaud)

## 4.3 Product Fittings

- Main unit × 1
- User Manual × 1

## 4.4 Main Functions

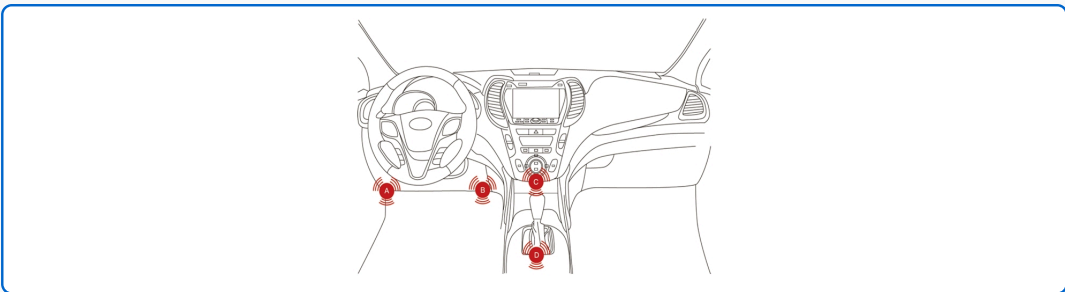
- ① Read automobile fault code
- ② Clear engine fault code
- ③ Vehicle fault freeze frame
- ④ I/M ready state
- ⑤ Vehicle information
- ⑥ Automobile data flow
- ⑦ Battery voltage reading
- ⑧ Mode 6 detection
- ⑨ Oxygen sensor test
- ⑩ Mode 8 detection
- ⑪ Fault code query
- ⑫ Cloud print
- ⑬ Performance test

⑭ **Support ten languages:** English, German, French, Spanish, Italian, Russian, Finnish, Dutch, Chinese, Japanese, Portuguese

**Performance Test Feature:**  
Test acceleration performance, braking performance, distance testing, and instrument data. Press "F2" on keyboard for quick entry from main interface

## 5. Automobile Inspection

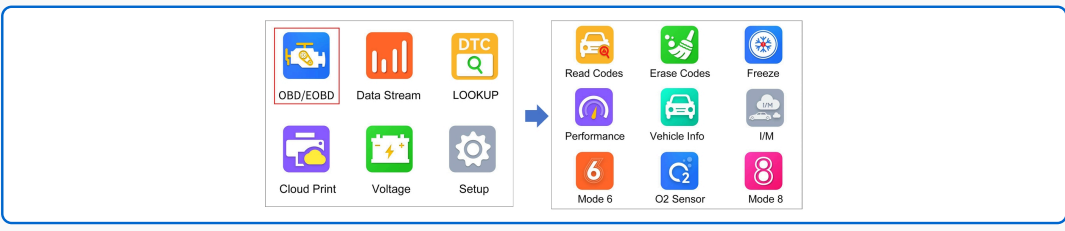
Find the special OBD interface for cars. Positions of OBD interfaces differ by model (usually in lower left dashboard, above accelerator pedal). Start vehicle after insertion.



Various locations

## 6.1 Test Main Menu

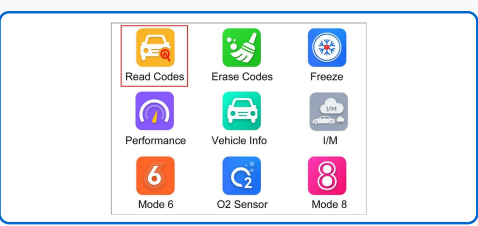
After connecting vehicle, enter main page, select "OBD/EOBD" menu, press OK key to enter test function page. This menu has 9 test functions, use direction function keys to move and select.




9 test functions

### 6.1.1 Code Reading

Select code reading function, product will diagnose automobile engine system. If vehicle has engine fault, engine fault code and fault definition will be read. If multiple fault codes, use up/down/left/right buttons to turn pages. Press OK/EXIT to return.



Function Select



View/Page

## 6.1.2 Clear Code (Erase Codes)

Select "Erase Codes" and confirmation message will appear. After confirming fault code is cleared, vehicle engine fault light will go out and code cleared successfully. If clearing fails, it can be cleared when engine is powered off.



Function Select

Erase Codes

Erase trouble codes!  
Are you sure?

Yes      No

Light off

## 6.1.3 Freeze Frame

Freeze frame refers to snapshot data automatically recorded by automobile computer when emission system has fault code. Good function to help determine cause of fault.



Function Select

View Freeze Frame 1/6

DTCFRZF	P0278
FUELSYS1	OL
FUELSYS2	CL
LOAD_PCT(%)	86.3
ECT(*F)	360
SHRTFT1(%)	77.3

View

## 6.1.4 Performance Test

To test acceleration performance, braking performance, distance testing, and instrument data of the car. Quick entry: Press "F2" on keyboard from main interface.

### Performance Test Items:

- Acceleration performance
- Braking performance
- Distance testing
- Instrument data



Press F2

Performance 1/4

Acceleration performance
Braking performance
Distance performance
Instrument data

View data

## 6.1.5 Vehicle Information

Vehicle identification code and other information can be viewed after entering vehicle information.



Function Select

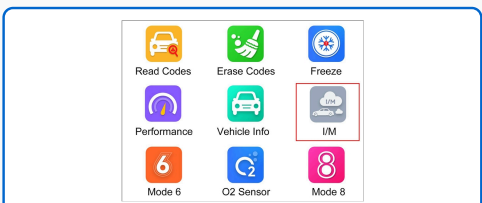
Vehicle Info. 1/3

Vehicle ID Number
Calibration ID
Cal. Verif. Number

View

## 6.1.6 I/M Ready State

I/M ready function used to check whether car monitor is OK or N/A. During specific driving time (each monitor has specific conditions). OK=test completed, INC=not completed, N/A=not supported.



Function Select

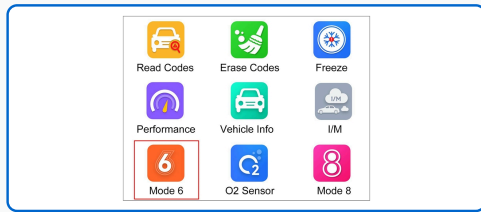
Since DTCs Cleared 1/2

MIL Status	OFF
Misfire Monitor	N/A
Fuel System Mon	OK
Comp. Component	OK
Catalyst Mon	N/A
Htd Catalyst	N/A

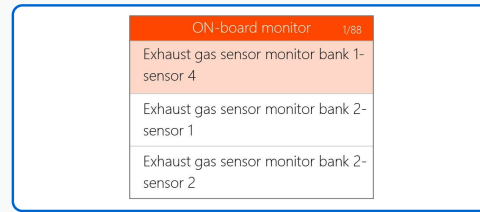
OK/INC/N/A

## 6.1.7 Mode 6

Select mode 6 to enter on-board monitoring test.



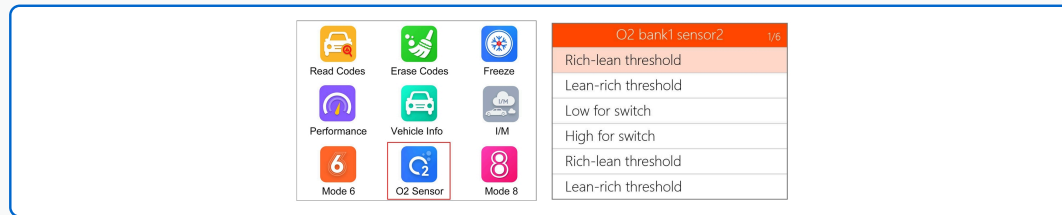
Function Select



Test

## 6.1.8 Oxygen Sensor Test

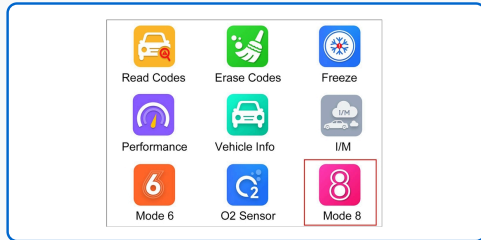
When entering oxygen sensor test item, oxygen sensor value of tested vehicle will be read to determine whether various test data are normal.



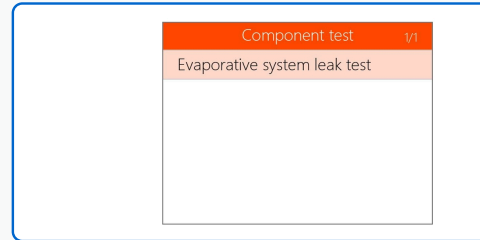
View sensor values

## 6.1.9 Mode 8

Enter mode 8 and test the leakage components of car's steam system.



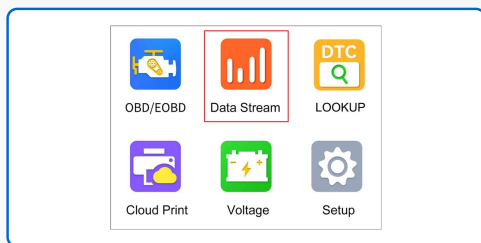
Function Select



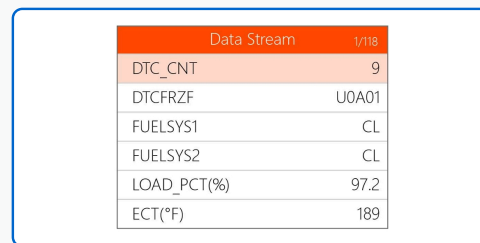
Steam system

## 6.2 Data Stream

After entering data stream, product will read real-time data information of car engine.



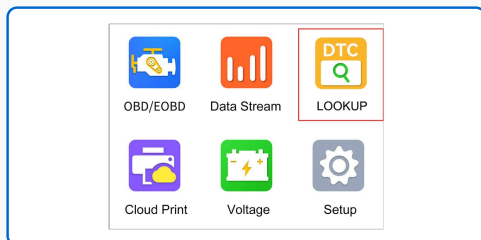
Function Select



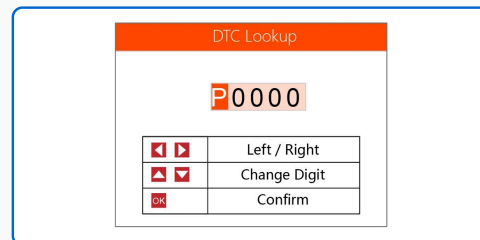
Engine data

## 6.3 Query the Fault Code Library

Enter query fault code option, user can use direction keys to adjust fault code, turn to fault code to be queried and select "OK" to query fault definition.



Input code



View

## 6.5 Voltage

Enter voltage option to read current battery voltage data of detected vehicle.



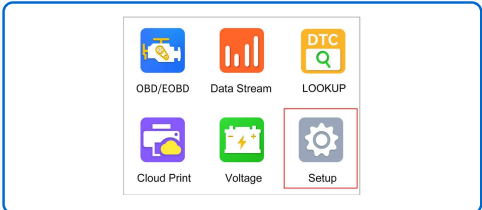
Function Select



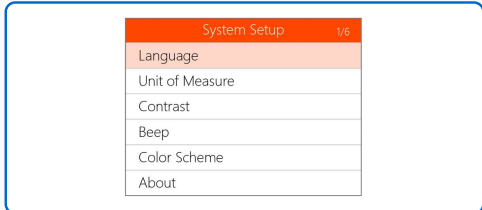
View

## 6.6 Settings

Enter setting option to adjust language, unit and other settings of multiple product parameters.



Configure



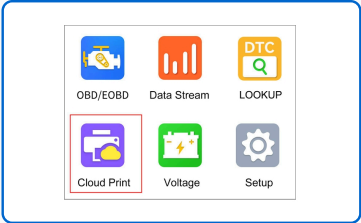
Adjust

## 6.4 Cloud Print

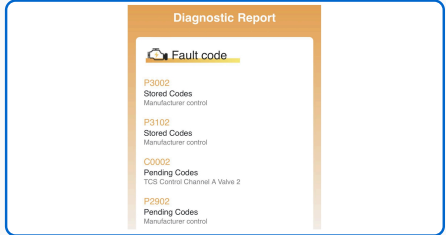
The read fault codes, data streams, frozen frames, and other data can be generated into QR codes, which can be shared or printed through mobile scanning.

### Cloud Print Procedure:

- 1) Read fault codes, data stream, or frozen frames first
- 2) Select "Cloud Print" from menu
- 3) Data generated into QR code on screen
- 4) Scan QR code with mobile phone
- 5) Data displays on mobile screen
- 6) Share or print through mobile



Menu



Generated

## 7. Notes

The product is not compatible with models other than the OBD2 protocol.

## 8. Disclaimer

We are committed to providing customers with unparalleled customer support before and after sales. Here are our exemption conditions for products:

**If any of the following conditions are met, the customer shall not enjoy the policy within the scope of this limited warranty:**

**a) Abnormal Use:** Abnormal use, abnormal conditions, improper storage, exposure to humidity or unauthorized modification, misuse, negligence, abuse, accident, change, improper installation or other non fault behaviors, including damage caused by transportation.

**b) External Damage:** Our company will not be responsible for the product damage caused by external reasons (such as collision with objects) or fire, flood, sand, dust, storm, lightning, earthquake or weather conditions, acts of God irresistible or battery leakage, theft, fuse breaking, incorrect use of any.

### Need Technical Support?

For B2B / OEM / ODM partners and after-sales teams

Contact your account manager or sales representative

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