
RoHS
Made In China

T200

User's Manual

OBD II Scanner

For OBD II/EOBD Full Mode Diagnostics

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Safety Precautions and Warnings

To prevent personal injury or unnecessary damage while using the tool, please read this Owner's Manual carefully first and observe at least the following safety precautions when using the vehicle:

- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle, Operating or observing the tool will cause driver distraction and could cause a fatal accident.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all rotating or hot engine parts.
- Operate the vehicle in a well-ventilated work area. Exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These Components create hazardous voltages when the engine is running.
- Put the transmission in P (for A/T) or N(M/T) and make sure the parking brake is engaged.
- Keep a fire extinguisher suitable for gasoline /chemical / electrical fires nearby.
- Don't connect or disconnect any test equipments while the ignition is ON or the engine is running.
- Keep the scan tool dry, clean free from oil/ water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool when necessary.
- Our company is not responsible for any damage caused by unintentional or deliberate misuse of our products or tools.

Products

The T200 scanner is suitable for all OBD II compliant vehicles (matching up to 97% of the car models), and supports fault code lookup, reading vehicle information, viewing real-time data streams, fault code reading, fault code clearing, I/M readiness testing, etc., making the T200 the best choice for automotive repair tools.

Supported Protocols

1.ISO9141-2(5 baud init, 10.4 Kbaud)
2.SAE J1850 PWM (41.6Kbaud)
3.SAE J1850 VPW (10.4Kbaud)
4.ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
5.ISO14230-4 KWP (fast init, 10.4 Kbaud)
6.ISO15765-4 CAN (11bit ID, 500 Kbaud)
7.ISO15765-4 CAN (29bit ID, 500 Kbaud)
8.ISO15765-4 CAN (11bit ID, 250 Kbaud)
9.ISO15765-4 CAN (29bit ID, 250 Kbaud)

Product Specification:

Display Screen	2.4-inch TFT color screen (320*240)
Operating Temperature	-20~60℃ (-4~140°F)
Storage Temperature	-20~70℃ (-4~158°F)
External Power	8V-30V DC

Product Description

1). **Screen –** Displays menus and test results

2). **ESC Button –** Exits or returns to previous level menu

3). **I/M Button–** Quickly enters the I/M readiness test

4). **V Button –** Quickly check battery voltage

5). **Arrow Button –** For moving up and down or flipping through pages

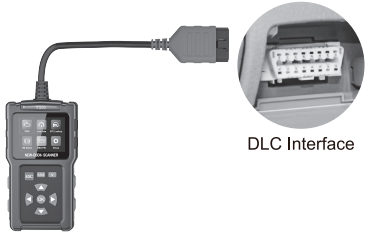
6). **OK Button –** To confirm the desired option

7). **OBD II Connector –** Connects the scan tool to the vehicle's data link

Operating Instructions

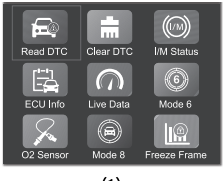
Connecting The Scanner

1. Turn off the ignition switch
2. Locate the vehicle's 16-pin data link connector
3. Plug the OBD II cable into the vehicle's DLC
4. Turn on the ignition and engine
5. When finished, the device automatically enters the diagnostic interface

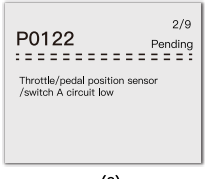


Read DTC

Select [OBD] and then [Read DTC], press the [OK] key to continue, if there is a fault code, the screen will display the code (Fig. 2), if you find more than one DTC fault code, please use the left/right keys to turn the page to check all the codes.



(1)



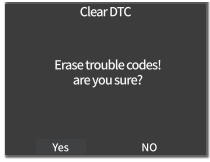
(2)

Clear DTC

Before clearing the fault code, please follow the prompts of the fault code to carry out vehicle maintenance, vehicle maintenance can be completed to clear the fault code operation.

Select [Clear DTC] and press the [OK] key to continue, the display will show as follows:

(3)



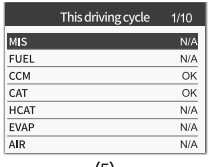
(4)

⚠NOTE: Clearing a fault code does not mean that the fault code in the ECU has been completely eliminated; the fault code will continue to appear as long as the vehicle has a fault.

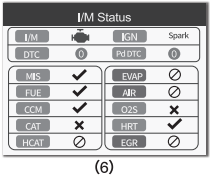
I/M Status

The [I/M Status] function is used to check the operation of the emissions system on OBD II compliant vehicles, and is an excellent feature for checking vehicle compliance with national emissions testing. It is an excellent feature for checking vehicle compliance with the National Emissions Test. The I/M status can be selected from Clear Fault Ready or Current Cycle Ready. The I/M shortcut can also be used for one-touch access.

Select [I/M Status] and press the [OK] key to continue, the display will be as follows:



(5)

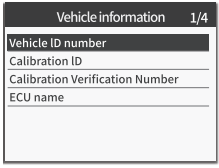


(6)

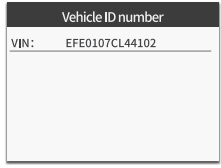
ECU Info

The ECU Vehicle Information function retrieves information about the vehicle's frame number, calibration number, and calibration verification number.

Select [ECU Info] and press the [OK] key to continue. The display is as follows:



(7)

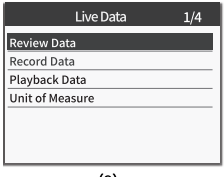


(8)

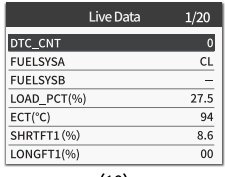
Live Data

View Real-Time Data allows viewing of real-time vehicle PID data, all supported data is displayed and can be viewed by quickly flipping the page with the left/right buttons or selecting custom data for comparison.

Select [Live Data] and press the [OK] key to continue, the display will be as follows:



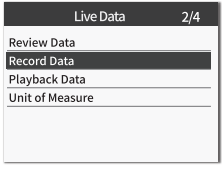
(9)



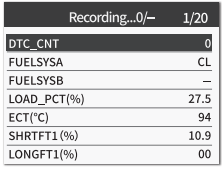
(10)

Record Data

Select [Real Time Data], select [Recorded Data], press [OK], select [All Data] , press [OK] to select [Manual Trigger], select [Store Location] to continue, the display will be as follows:



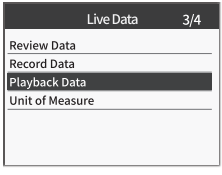
(11)



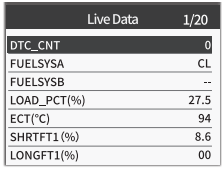
(12)

Playback Data

Select [Real Time Data], select [Playback Data] , press [OK], select the corresponding storage location to continue, and the display will be as follows:



(13)

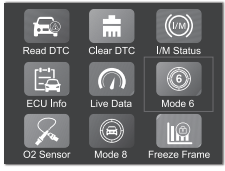


(14)

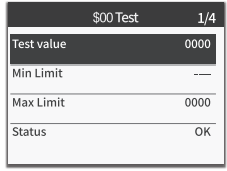
In-Vehicle Monitoring Test

After repairing or clearing fault codes, on-board monitor tests are useful, diagnostic tools allow access to on-board diagnostic monitor test results for specific components, and vehicle manufacturers are responsible for assigning MID、CID, for testing different systems and components.

Select [Mode 6] and press the [OK] key to continue, the following is displayed:



(15)

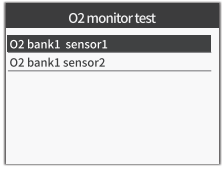


(16)

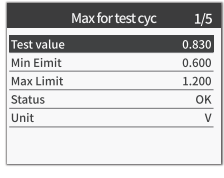
O2 Sensor

Oxygen sensors are tested to identify problems related to fuel efficiency and vehicle emissions.The Oxygen Sensor test does not support the CAN communication protocol, which is available in Mode 6 for vehicles with CAN communication protocol.

Select [O2 Sensor] and press the [OK] key to continue, the display will be as follows:



(17)



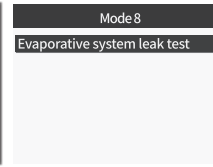
(18)

Component Testing

The component test function allows initiating a leak test of the vehicle's evaporative system.

Select [Mode 8] and press the [OK] key to continue, the display will be as follows:

(19)



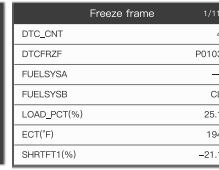
(20)

Freeze Frame

Freeze Frame data allows the technician to view the vehicle's operating parameters at the time the DTC was detected.

Select [Freeze Frame] and press the [OK] key to continue, the display will appear as follows:

(21)



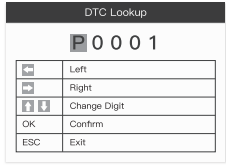
(22)

DTC Lookup

The DTC query function is equivalent to a fault code dictionary and can be used to query various types of fault codes.

Select [DTC Lookup] and press the [OK] key to continue, the display will be as follows:

(23)



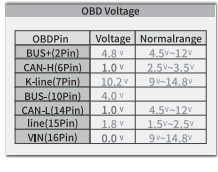
(24)

OBD-PIN

When the vehicle appears to be unable to diagnose, you can use the OBD voltage function to check the voltage of the OBD pins to help us find the vehicle fault faster.

Select [OBD-PIN] and press [OK] to confirm, you can check the voltage status of each OBD pin:

(25)

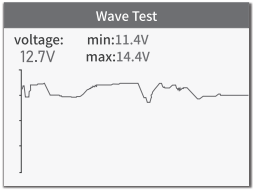


(26)

Battery Testing

V key and I/M key are shortcut keys to quickly access the specified functions.

Pressing the [V] key under the main menu of the desktop, the device can quickly enter the battery test, and the battery test item displays the real-time parameters of the vehicle voltage in the state of waveform.

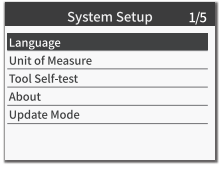


(27)

Setup

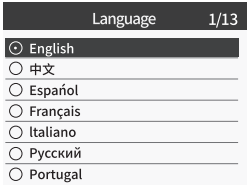
Select [Setup] and then [OK] to continue, and the following is displayed:

(28)



(29)

Language Settings



(30)

Update Mode

You can consult with your agent to check the latest software version and ask your dealer for an upgrade tool to complete the upgrade.

Warranty And Service

One Year Warranty

We promises to provide warranty service for 1 year from the date of original purchase, if this product is purchased from an official channel, which must meet the following conditions:

1) The warranty are limited to repairing or replacing new equipment, without additional cost, but need to mention for regular sales invoices or copies of invoices.

2) The warranty does not cover the unauthorized disassembly of this product due to flooding, lightning strikes, or outside repair shops not authorized by the company ,The personnel have repaired it and considered damage caused by improper use.

3) We is not responsible for any damages caused by use, misuse or installation and testing. Some countries limitations on the duration of implied warranties are not allowed, so the above limitations may not apply to you.

4) All information in this manual is based on the latest and effective information at the time of publication, and there is no guarantee of its accuracy or completeness. we reserves the right to make changes at any time without notice.

Service Process

If you have any questions in the process of using this product, please contact your local authorized dealer directly.