V321

sisco

Car Diagnostic Code Reader
User Manual

1. Product Introduction

V321 is a gasoline vehicle code reader that supports nine standard protocols, OBD II/EOBD. Plug and play, it can quickly read the fault information and vehicle parameters of the car, and is a comprehensive fault diagnosis instrument. Before using this product, please read the product manual carefully. Thank you !

2. Precautions

1. Do not use abrasive cleaning agents to clean this product.
2. Do not allow this product to be heated or placed near a source of light.
3. Do not expose this product to direct sunlight for extended periods of time.
4. Do not attempt to disassemble this product for any modifications, as it does not contain any repair components.
5. Do not use this product in other areas, If you do not intend to use this product for a long period of time, please store it in a dry environment and avoid extreme temperatures and dust.

3. Introduction to product appearance and functional keys

3.1 Product Description

1. Product connection cable, used to connect car OBD interface
2. 2.4-inch color display screen, resolution: 320 * 240
3. Green light: supports vehicle detection
   Yellow light: Detected vehicle malfunction
   Red light: The product is powered on normally
4. Quickly read fault codes
5. Quickly access the testing report
6. Return/Exit
7. Battery testing
8. Confirm button
9. Press the right or next button

4. Product parameters and accessories

4.1 Product Parameters

- Working voltage: DC9～16V

- Working current: 40mA～60mA
- Operating environment:- 20～60℃
- Storage temperature:- 20～60℃
- Dimensions: 151 * 81 * 26.2mm
- 10 languages: English, German, Italian, Polish, French, Spanish, Chinese, Russian, Japanese, Portuguese.

4.2 Product Accessories

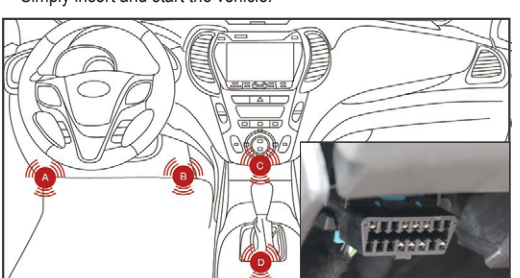
Host * 1 Instruction manual * 1

4.3 Supporting Agreements

1. SAE J1850 PWM (41.6Kbaud)
2. SAE J1850 VPW (10.4Kbaud)
3. ISO9141-2(5 baud init, 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)

5. Car inspection

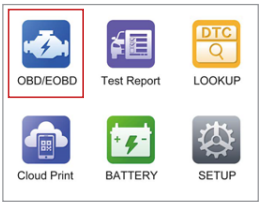
- Search for OBD interfaces specifically designed for automobiles. The position of the OBD interface varies for different models (usually located in the lower left inner panel of the dashboard, above the accelerator pedal. For other models, please refer to the following figure).
- Simply insert and start the vehicle.

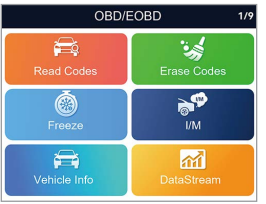


6. Menu page introduction and explanation

6.1 Testing the main menu

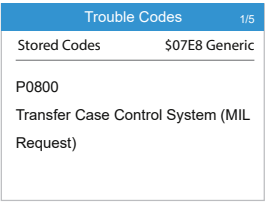
After connecting the vehicle, go to the main page and select the "OBD/EOBD" menu. Press the OK key to enter the detection function page. This menu has 9 detection functions, which can be flipped using the up/down function keys.





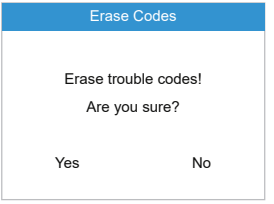
6.1.1 Read codes

Select the "Read Code" function to read the power system fault codes stored in the car computer and explain the meaning of the codes.



6.1.2 Erase codes

To delete the fault code, please select the "Erase codes" function, and the engine fault light will turn off.



6.1.3 Freeze frame

When a fault code appears in the emission system, the car computer will store the data at the time of the fault.

View Freeze Frame	1/5
DTCFRZF	P0278
FUELSYS1	OL
FUELSYS2	OL-Drive
LOAD_PCT(%)	98.8
ECT(℃)	29
SHRTFT1(%)	3.1

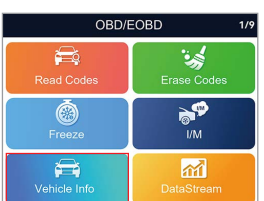
6.1.4 I/M ready

The I/M ready function is used to check the operation of vehicle emission systems that comply with OBD2 standards.

Since DTCs Cleared	1/5
MIL Status	ON
Misfire Monitor	OK
Fuel System Mon	OK
Comp. Componenet	OK
Catalyst Mon	OK
Htd Catalyst	OK

6.1.5 Vehicle information

The vehicle information function can read the vehicle identification number (VIN), calibration mark, and calibration verification number (CVN)



Vehicle Info.	1/3
Vehicle ID Number	
Calibration ID	
Cal. Verif. Number	

Vehicle ID Number
VIN:
3I G1JCI 5444I

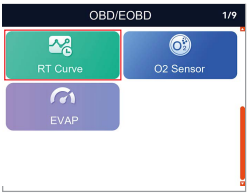
6.1.6 Data stream

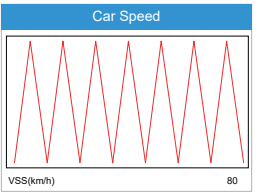
Read the data information of the current engine operation。

Live Data	1/13
FUELSYS2	OL
LOAD_PCT(%)	98.8
ECT(℃)	29
SHRTFT1(%)	3.1
LONGFT1(%)	59
SHRTFT2(%)	25

6.1.7 Real-time curve

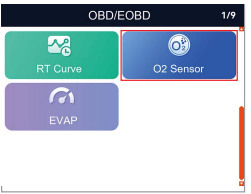
Display the read vehicle speed, load value, coolant temperature, and engine speed data in real-time as curves.





6.1.8 Oxygen Sensor

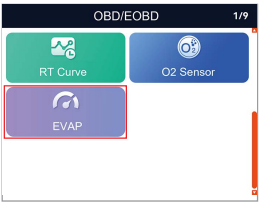
Detect the data of the car oxygen sensor.



O2 monitor test	1/2
O2B4S2(V)	1.190
OBDSUP	EOBD&OBD
O2SLOC	S1B--4S21--4
PTO_STAT	Act
EQ_RATB2S1	1.152
EQ_RATB2SB	0.182

6.1.9 EVAP

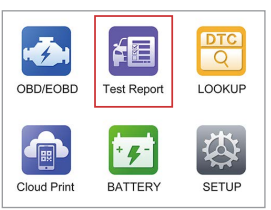
Leakage test of fuel evaporation system.

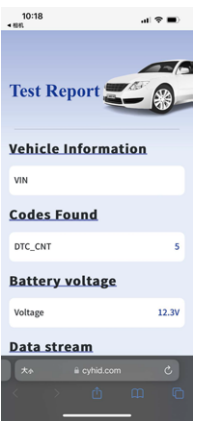


EVAP	1/1
VPWR(V)	25.251
APP_D(%)	89.5

6.2 Inspection report

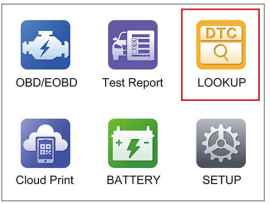
Summarize the read vehicle information, fault codes, voltage, data flow, and I/M readiness status data for easy reference.

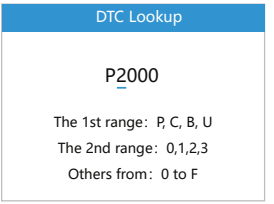




6.3 Search for fault codes

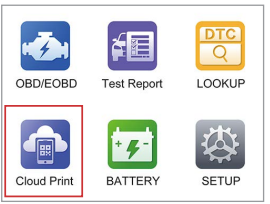
Enter the fault code through the up and down keys to inquire about its meaning.





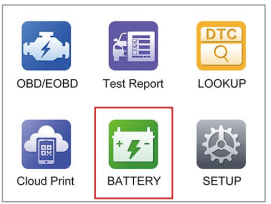
6.4 Cloud print

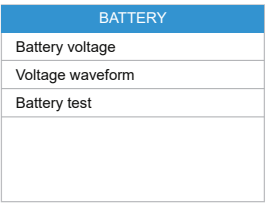
The read data can be generated into a QR code, which can be scanned, printed or shared through a mobile phone.



6.5 Battery test

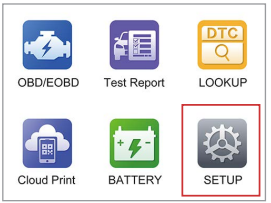
Can detect the voltage of car batteries, display voltage waveforms, and perform battery start-up tests.

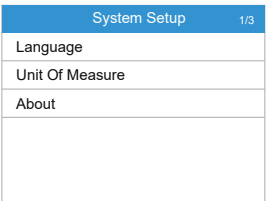




6.6 Set up

You can set the language, unit, and version of the product for viewing.





7. Precautions

The product is not compatible with new energy vehicles, hybrid vehicles, and models that do not comply with the OBD2 protocol

8. Excuse conditions

We are committed to providing unparalleled customer support before and after sales, and the following are our disclaimer conditions for our products:

If any of the following conditions are met, customers shall not be entitled to policies within the scope of this limited warranty:

a) Abnormal use, abnormal situations, improper storage, exposure to moisture or unauthorized modification, misuse, negligence, abuse, accidents, changes, improper installation, or other non fault behaviors of the product, including damage caused by transportation.

b) Our company is not responsible for any damage to the product caused by external reasons (such as collision with objects), fire, flood, sand, dust, storm, lightning, earthquake or weather conditions, uncontrollable acts of natural disasters, battery leakage, theft, blown fuses, improper use of any power source, etc.