

sisco

V315

USER MANUAL

AUTOMOBILE OBD DIAGNOSTIC INSTRUMENT



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1. Product introduction

This is a gasoline car code reader , which supports nine standard protocols of OBD II/EOBD. Plug and play, can quickly read the car's fault information and vehicle parameters, is a more comprehensive function of the fault diagnosis instrument. Please read the product manual carefully before using this product, thank you.

2. Matters needing attention

- ① Do not use abrasive cleaners to clean this product.
- ② Do not let this product be heated or close to the source of the fire.
- ③ Do not expose this product to direct sunlight for a long time.
- ④ Do not try to disassemble this product to make any modifications, because it does not contain any maintenance components.
- ⑤ Do not use this product in the room.
- ⑥ If you do not plan to use this product for a long time, please store it in a dry environment to avoid extreme temperature and dust.

2.1 Tool description



1. Diagnostic joint - Connect the decoder to the vehicle data link connector (DLC).

2. LCD display - Display the detection result.
3. I/M button- I/M READINESS KEY, Quick checks state emissions readiness and drive cycle verification.
- 4-7:Up, down, left and right
8. ESC button - Cancel the selection (or operation) in the menu or return to the menu.
9. OK button - Confirm the selection (or operation) in the menu.
10. Battery voltage reading

2.2 Specification

- Display: 160*128 dpi display, 1.8-inch TFT color screen
- Working temperature: 0~60 °C (32~140 °F)
- Storage temperature: -20~70 °C (-4~158 °F)
- External power supply: Vehicle batteries supply 9.0 to 16.0V
- Size: Length: 125*62*21mm

- Support Language: German, Dutch, English, Spanish, French, Italian, Russian, Chinese, Japanese, Korean.

2.3 Included accessories

User's manual - Tool operating instruction

OBD2 wire - Supply power to the tool, and communicate between tool and vehicle

2.4 Power supply of vehicle

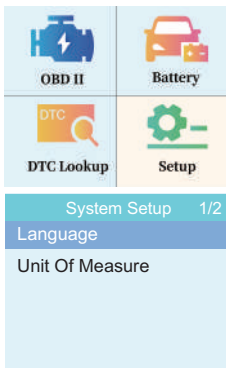
Vehicle data link connector (DLC) supplies the power to decoder. Open the decoder by the following steps

Take down DLC cover plate from the vehicle

Some vehicles have the plastic cover plate, need to take down it before inserting OBD2 cable.

Insert OBD II wire to vehicle DLC.

2.5 Product Setup



Language: Select the required language.

Measurement unit: Set the measurement unit as imperial or metric units.

2.6 Application range of vehicle

This OBD II / EOBD decoder is specially applied to all the vehicles that accorded with OBD II standard, including the vehicles for preparing the next generation of protocols - controlling the area network

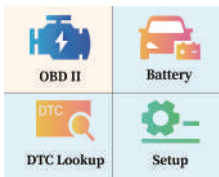
(have the capacity). All the vehicles selling in USA as required by United States Environmental Protection Agency, and 1996 newer (automobile) light trucks must be accorded with OBD II standard. Including all the domestic, Asian and European vehicles.

A small amount of 1994 and 1995 petrol vehicles are accorded with OBD II standard. If need to verify if 1994 or 1995 vehicles are accorded with OBD II standard, please check the vehicle emission control information (VECI) label, most vehicles are stuck this label under the engine jacket or near the radiator. If the vehicle is accorded with OBD II standard, and then its label is marked with "OBD II certification". In addition, the government laws and regulations require all the vehicles that are accorded with OBD II standard must have "General" 16 pin data link connector (DLC).

If your vehicle is accorded with OBD II standard, there must a 16 pin DLC (data link connector) below the instrument panel,

and a vehicle emission control information label states the vehicle is accorded with OBD II standard.

3. OBD II diagnosis



1. Turn off ignition switch.
 2. Find the vehicle 16 pin data link connector (DLC).
 3. Insert OBD II wire to vehicle DLC.
 4. Turn on ignition switch. Engine stops or runs.
 5. Press Return/Confirm button to enter diagnostic menu. A series of OBD2 protocol information will be displayed on the display screen, until the vehicle protocol is detected.
- ◆ If decoder can not communicate with the vehicle ECU (engine control unit),

“Connection error!” will be displayed on the display screen.

- ◇ Confirm ignition switch is turned on;
- ◇ Check if OBD II connector of decoder is connected to vehicle DLC;
- ◇ Confirm the vehicle is accorded with OBD2 standard;
- ◇ Turn off ignition switch and wait for 10 seconds. Turn on ignition switch again
- ◆ If “Connection error” information still appears, and then it may be the communication between decoder and vehicle has the problem. Please contact the local dealer or the Customer Service Department of the manufacturer for getting the help.

3.1 Read Codes

Press Up/Down button to select the read code from diagnostic menu, and then press Return/Confirm button.

Diagnostic Menu 1/9
Read Codes
Erase Codes
View Freeze Frame
I/M Readiness
Vehicle Info.
Data Stream
RealTime Curve

Read DTC and its definition on the screen.

Trouble Codes 1/3
P0230
Fuel Pump Primary Circuit

Control module No., diagnostic code order, total numbers of code to be detected and types of code (general or specified by manufacturer, storage or code to be processed) will be displayed on the upper right corner of screen.

If not detect the code, “Code is not stored in module!” information is displayed on the screen.

If the retrieved DTC contains any code specified by manufacturer or the enhanced codes, and then “Controlled by manufacturer” is displayed on the screen.

3.2 Erase Codes

Caution: Delete the diagnostic code of decoder may not only delete the code on truck-mounted computer, but also delete “Freeze Frame” data and the enhanced data of the manufacturer. In addition, I/M ready monitor status of all vehicle monitors are reset as non-ready and non-finish state. Do not delete the code before the technicians check the system completely.

Diagnostic Menu 2/9

Read Codes

Erase Codes

View Freeze Frame

I/M Readiness

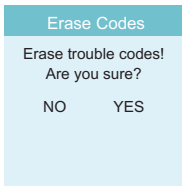
Vehicle Info.

Data Stream

RealTime Curve

If decide to delete the diagnostic code, please press Up/Down button to select “Delete the code” from the Diagnostic menu, and then press Return/Confirm button.

A warning message appears, and needs you to confirm.



If go on deleting the code, please press Return/Confirm button to delete.

·If the code is deleted successfully, and then “Delete is finished !” information is displayed on the screen.

If the code is not deleted successfully, and then “Delete is failed. Rotate the key in the case of engine is turned off !” is displayed on the screen. Wait for several seconds or press any button to return to Diagnostic menu.

If you want to continue to delete the code, you can try to turn off the engine and choose to clear the fault code when the power is on.

3.3 View Freeze Frame

Diagnostic Menu 3/9	
Read Codes	
Erase Codes	
View Freeze Frame	
I/M Readiness	
Vehicle Info.	
Data Stream	
RealTime Curve	

View Freeze Frame 1/13	
DTCFRZF	P0278
FUELSYS1	OL
FUELSYS2	OL
LOAD_PCT(%)	2.7
ETC(°C)	25
SHRTFT1(%)	82.0
SHRTFT1(%)	30.4

The digital “x/x” on the upper right corner of the screen show the total Frame coverage of retrieved data on the screen and the serial number of the current displaying data. If no available Freeze Frame data, “Freeze Frame is not stored” information will be

displayed on the screen.

3.4 I/M Readiness

I/M ready function is used to check the operating situation of vehicle emission system that is accorded with OBD2 standard. This is a very good function before checking if the vehicle is accorded with the state emission plan. Some newest vehicles models may support two types of I/M ready test:

If the vehicle supports two types of test. Two types are displayed on the screen for selecting.

I/M Readiness	1/2
Since DTCs Cleared	
This Drive Cycle	

If the vehicle supports I/M ready test, the following information will be displayed on the screen:

Since DTCs Cleared 1/2	
MIL Status	ON
Misfire Monitor	OK
Fuel System Mon	OK
Comp.Component	OK
Catalyst Mon	OK
Htd Catalyst	OK
EVAP System Mon	OK

This Drive Cycle 1/2	
MIL Status	ON
Misfire Monitor	N/A
Fuel System Mon	N/A
Comp.Component	OK
Catalyst Mon	OK
Htd Catalyst	OK
EVAP System Mon	OK

The digital “x/x” on the upper right corner of the screen show the total coverage of retrieved data on the screen and the serial number of the current displaying data.

3.5 Read the vehicle information

Vehicle information function can retrieve vehicle identification number (VIN), calibration sign, calibration verification number (CVN) and the models above 2000 support the vehicle performance tracking of mode 9.

Diagnostic Menu 5/9
Read Codes
Erase Codes
View Freeze Frame
I/M Readiness
Vehicle Info.
Data Stream
RealTime Curve

In vehicle information menu, press Up/Down button to select the available items you want, and then press Confirm button.

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

Vehicle ID Number
VIN: 2HGES16684H90794

3.6 Data stream

Diagnostic Menu 6/9
Read Codes
Erase Codes
View Freeze Frame
I/M Readiness
Vehicle Info.
Data Stream
RealTime Curve

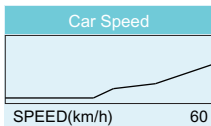
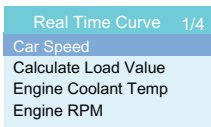
Data Stream	1/11
FUELSYS2	OL-D OL
LOAD_PCT(%)	10.6
ETC(°C)	70
SHRTFT1(%)	-63.3
LONGFT1(%)	-59.4
SHRTFT2(%)	-60.2
LONGFT2(%)	-60.2

Read current engine data flow information

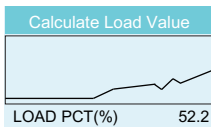
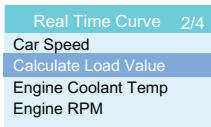
3.7 RealTime Curve

Diagnostic Menu 7/9
Read Codes
Erase Codes
View Freeze Frame
I/M Readiness
Vehicle Info.
Data Stream
RealTime Curve

Press “Confirm” button to read speed waveform display.



Press “Confirm” button to enter calculate load value interface.



3.8 Oxygen sensor

Diagnostic Menu	8/9
O2 Sensor	
EVAP	

O2 Sensor	1/2
O2SLOC	B1S-23-B2S-2
O2B1S1(V)	0.515
O2B1S2(V)	0.490
O2B2S1(V)	0.495
O2B2S2(V)	0.495
O2B3S1(V)	0.500
O2B3S2(V)	0.800

According to the test result, you can use the up/down buttons to view the current data flow.

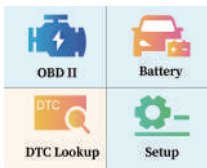
3.9 Fuel Evaporation Control System

Diagnostic Menu	9/9
O2 Sensor	
EVAP	

EVAP	1/1
EVAP_PCT(%)	9.0
EVAP_VP(Pa)	11538

According to the test result, you can use the up/down buttons to view the current data flow.

4 Diagnostic code query



DTC Lookup

P0000

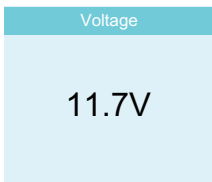
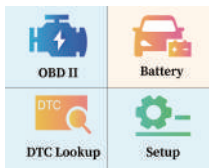
The 1st range:P,C,B,U
 The 2nd range:0,1,2,3
 others from O to F

Press “▲” to adjust the next code.

Press “▼” to adjust the current code

Press Confirm to query after input the code.

5 Battery Voltage



Test and display the current voltage value of the car battery in real time.

6 Precautions

This product is not compatible with new energy vehicles, hybrid vehicles, diesel vehicles and non-OBD2 agreement models

7 Disclaimer

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

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

a) Abnormal use of the product, abnormal conditions, improper storage, exposure to moisture or humidity, unauthorized modification, unauthorized maintenance, misuse, negligence, abuse, accident, alteration, improper installation or other actions that are not malfunctions, Including damage caused by transportation.

b) The product is damaged due to external reasons (such as collision with objects) or fire, flood, sand, dust, storm, lightning, earthquake or weather conditions, irresistible acts of natural disasters or battery leakage, theft and damage, blown fuse, Our company is not responsible for any product damage caused by incorrect use of any power supply.