

OBD smart digital meter

User manual

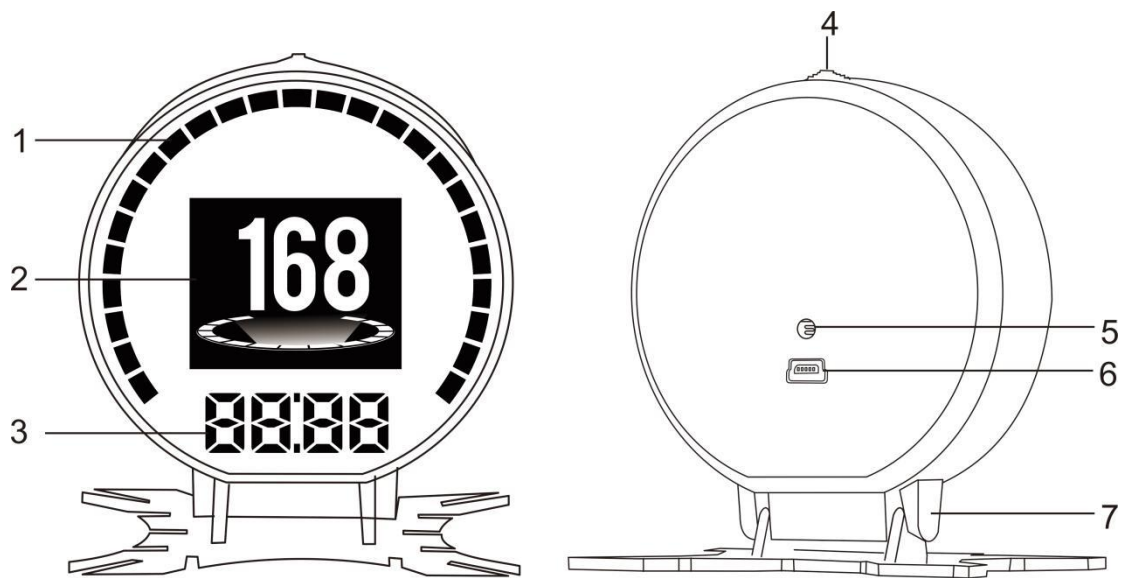
Model:P15

Thanks for purchasing our OBD smart digital meter. This product connects car OBD2 interface by OBD cable, and display the driving data, e.g. vehicle speed, engine RPM, water temperature, fuel consumption etc. It can keep the driver's eyes always on road to avoid the danger of lowering head to read the dashboard. This product won't change any car ECU data. OBD smart digital meter is equipped with a very powerful detection for error code, the device can display the error code information clearly in text form, and it can clear the fault information, and display accelerating competitive mode, brake performance test mode, turbo pressure, read the entire vehicle data stream information, and the other functions.


Main Functions&Features:

1. Available for cars with OBD2 and EOBD port (Car automatic diagnosis system), plug and play
2. TFT LCD multi color smart display
3. The first scan will show the vehicle protocol
4. Multi function display mode or simple function display mode can be switched freely
5. Add new functions: accelerating competitive mode, Brake performance test, can read the entire car data stream information
6. Rich contents: vehicle speed, engine RPM, water temperature, voltage, instantaneous fuel consumption, average fuel consumption, single driving distance, total driving distance, driving time, turbo pressure, Air/Fuel Ratio, oil temperature, low voltage alarm, high water temperature alarm, over speed alarm, engine fault code alarm, eliminate the fault code, freely switch between kilometers&miles.

Functions & Keys



1. Progress bar: Default LHK fuel consumption icon, can be changed to RPM icon
2. Multi functions screen: can choose the different display mode
3. Digital Display Area: default is clock, when it is at single display mode, pull the button left to switch to RPM function.
4. Setting button, push left/right, short /long press in
5. Light sensor
6. OBD port

Setting button functions: 

1. Short press in: (1) switch the display mode (2) confirm the menu after enter into the menu
2. Push left: (1) When the screen only displays the speed, push left to switch to digital display area clock and RPM functions
(2) when the screen is multi display status:
 - ① to switch the left area functions
 - ② change the function setting after enter into the menu or decrease the default value
3. Push right: (1) When the screen only displays the speed, push right is to switch the display mode (simple mode/clock mode/standard mode) (2) change the function setting after enter into the menu or increase the default value
4. Long press in: (1) to enter into menu setting mode (2) to save the data after changing the default value.

Push left/right to switch function:
Below are function abbreviations

ECT-engine coolant temperature consumption
RPM- Revolutions Per minute
TIM-single driving time
VLT-Voltage
ODO-odometer
DIS-single driving distance
FUE-fuel

Factory set:

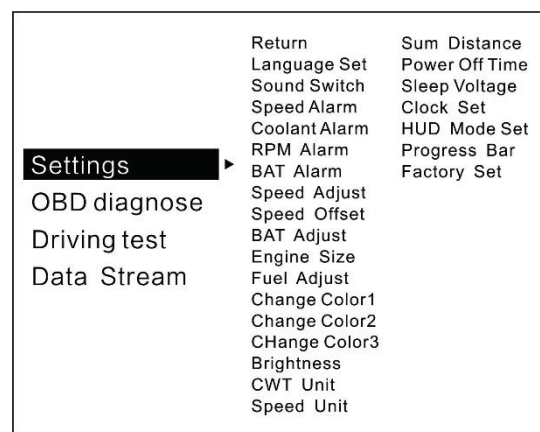
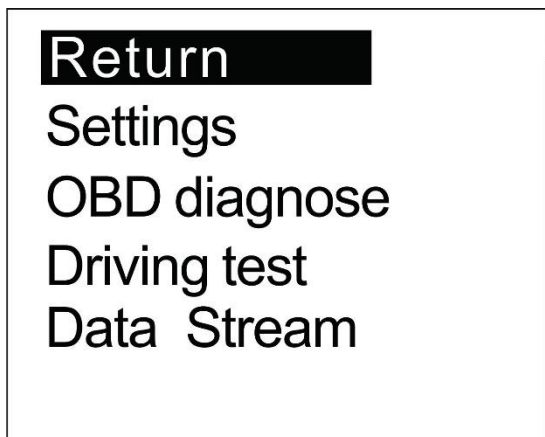
Long press in the setting button to find the system setting, and then short press in the button to enter into the menu, at last, push right to switch to the factory set, and long press in to keep and exit.

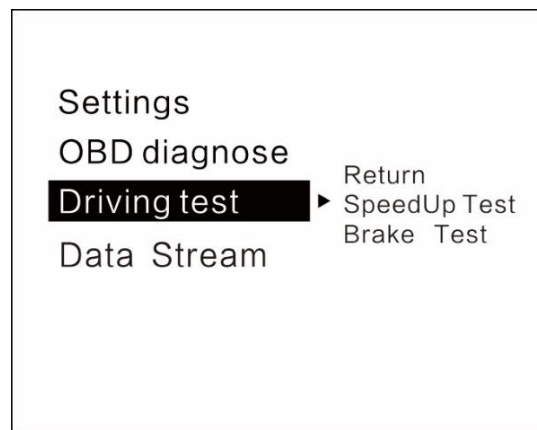
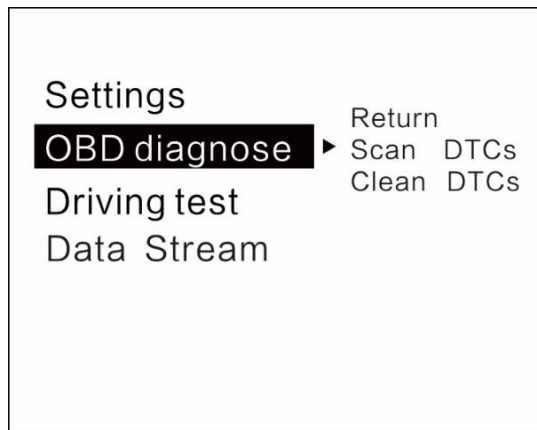
Eliminate the fault code:

When the device scan the program successfully, long press in the the button to enter into the setting menu, then push right to switch to the OBD diagnose, and short press in, then find clean DTCs, long press in to finish.

Setting Mode

Long press in to enter into the setting mode, push right to choose the menu, and short press in to confirm. Once finishing the setting, long press in to exit.





Setting functions

Language Set: Please choose your familiar language(CN-Simplified Chinese,TW-Traditional Chinese,EN-English)

Sound switch: turn on/off the buzzer

Speed Alarm: the default value is 150 (the default value can be changed,push left is to decrease,push right is to increase)

Coolant alarm: default value is 120°, it means this device will give alarm when Coolant temperature is over 120°

RPM alarm: default value is 6000 r, it means this device will give alarm when RPM over 6000 r

BAT Alarm: default value is 10.5V, it means this device will give alarm when battery voltage is lower than 10.5V

Speed Adjust: adjust the speed according to the dashboard,default value is 107%

Speed Offset: When the vehicle turns off,but the device speed is not 0, then adjust the device Speed Offset value, if the device speed shows 5KM/H, then change the device Speed Offset default value at 5

BAT Adjust:if the battery voltage is different with the vehicle,it can be adjusted.

Engine Size: the default value is 1.6 L, if the fuel consumption is much different with the dashboard,please change it as the Displacement size

Fuel adjust:default value is 100%,it can be adjusted

Change Color1: top speed part in default interface

ChangeColor2: left part/middle part in default interface

ChangeColor3: right part/bottom part in default interface

Brightness:0 is automatic adjustment,1-8 is manual adjustment,1-darkest,8-most bright

CWT Unit : default coolant temperature is °C,also can be changed to

Speed unit: default is Km/h,can be changed to MPH

Sum distance: can make the total driving distance same as dashboard(if the dashboard shows the sum distance is 30010Km,the user can make the device value at 30010KM)

Power off time:default power off time is 10s,for Auto start and stop cars,please make the power off time to 180-240s

Sleep Voltage:default is off ,if the device can't auto off,please adjust the voltage at 13.2V or higher

Clock Set:adjust the device time as your local time

HUD Mode Set: the default is off, you can turn on to reflection on the windshield

Progress bar function switch: default LHK is fuel consumption progress bar,can switch to RPM bar

Factory set: find the factory set selection,short press in to do the factory set

OBD diagnose set

Scan DTCs: scan the ECU to check if there is the error code,and show the error details

Clean DTCs: switch to Clean the DTCs,short press in the button to finish the cleaning

Driving test

Speedup test: show the speed,distance,driving 400m takes time,driving 100m takes time

Brake Test:show the speed,brake distance and time

Data Stream

Show all the vehicle data stream

OBD smart digital device installation :

1.Know your vehicle brand,the OBD smart digital device work for cars with OBDII agreement or EU OBD agreement. Open the engine hood and find the sticker below it (see the below picture 1), if it has words like OBDII CERTIFIED, then it can be installed.

2.Find out the 16 pin diagnostic link (see the below picture 2) of the vehicle and connect it well with OBDII connecting line.



Picture 1



picture 2

Technical Parameters:

Environment temperature: -40c- + 80c

atmospheric pressure 86-106KPa

Relative Humidity: 10% -95%

environmental noise :≤ 60dB (A)

Alarm sound level: ≥30dB (A)

Working voltage: 9V ~ 16Vdc (12Vdc / 400mA)

Product size: Diameter 73 mm x thickness 23 mm

Product Weight: 58 g

Troubleshooting

1.The screen without any display,and no power

Start the car engine;check if the OBD cable line is tight;please pull down the OBD cables more times to ensure;check if product power switch turns on. If still no display ,please change another car to test, analyze whether the car OBD diagnostic interface is good, if it is not good,please repair it and try again.

2.Only shows the car voltage and be automatic power off after 60 second when the device is with power

this product just available for cars with OBD2 agreement and EU-OBD agreement(European region: after 03 years, Other region:after 07 years)
This Products donnot support JOBD and OBDI and recommended test for another car.

3.Inaccurate Speed

a.First check the speed unit is correct or not, the speed unit including KM/H and MPH,please refer to the setting to switch the unit.

b. When the product is power on, long press in the button to enter into the menu option, and right push once switch to setting, then short press in the button to the menu, and right push the button switch to the speed adjust option. (if the dashboard shows 100, and the device shows the 101, change the default value at 106%)

4. Inaccurate Fuel consumption

Check your car displacement, and set the device same as your car (if your car is 2.0L, then change the device value at 2.0L). The fuel consumption can be adjusted, but we don't suggest to change it, because all the data are read from the car ECU directly.

5. RPM Alarm

Default alarm is 6000 r, please refer to the setting to change.

6. Over speed alarm

Default alarm is 150KM/H, please refer to the setting to change the value.

7. The device cannot auto power off

A. After vehicle turns off, the device still display the speed, switch the setting to Speed Offset, and adjust the value same as the device speed. (if the device shows 5KM/H after the vehicle turns off, then change the speed offset at 5KM/H)

B. After vehicle turns off, the device still display the RPM, switch the setting to sleep voltage, and make the value at 13.2V

8. Auto start and stop cars

Change the Power off time to 180s

9. Wrong operation lead to crashes

Do a factory set