

Car OBD Smart Digital Meter

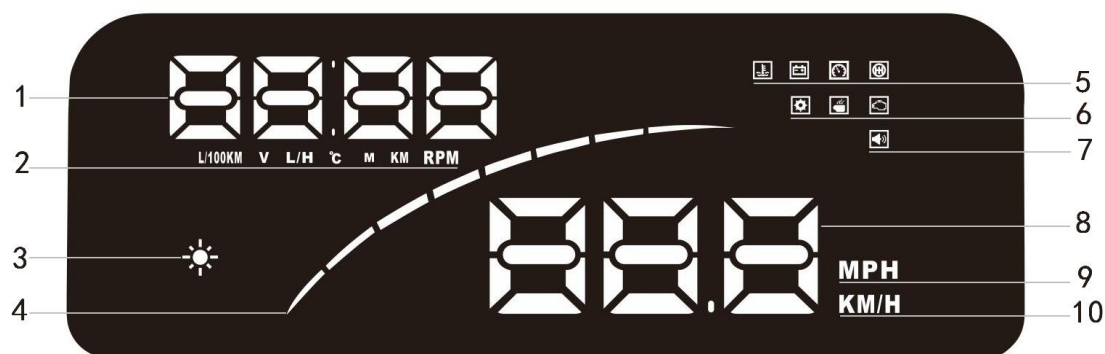
Model:P9

Thanks for purchasing our Car OBD Smart Digital Meter. This product main function is to display the car dashboard information (e.g. speed, RPM, fuel consumption, water temperature, voltage etc), and avoid the dangerous of lowering down head to read the dashboard. This product can help to get the driving information directly and quickly, and keep the driver's eyes always on road, making the driver more safe in driving.

Main Functions&Features:

1. Available for cars with OBD2 and EOBD port (Car automatic diagnosis system), plug and play
2. Multi-color design makes the screen more abundant and easier to read
3. Rich Contents: speed, RPM, water temperature, voltage, instantaneous fuel consumption, average fuel consumption, driving distance measurement, shift reminders, fatigue driving reminders, low voltage alarm, high water temperature alarm, over speed alarm, engine failure alarm, eliminate the fault code, freely switch between kilometers&miles.
4. Auto power on/off: it start and off with vehicle started and shutdown, effective protection of the car battery; retaining the manual switch mode, more easy to control.

Display Function



1. Multi-function area :fuel consumption,voltage,water temperature,single driving time(Minutes), single driving distance(KM,Mile),Engine RPM
2. Unit for multi-functional area
3. light sensor

- 4.Engine RPM
- 5.Alarm icon: high water temperature alarm,low voltage alarm,over speed alarm,shifting reminding
- 6.setting,fatigue alarm,fault code
- 7.buzzer mark
- 8.Speed
- 9.Speed Unit in MPH
- 10.Speed Unit in KM/H

Key functions

Long push right:Push right the wave button 5 seconds, then all LED will light, it means clear the engine fault code

Long push left:push left the wave button 5 seconds to turn off the buzzer,do it again to turn on the buzzer.

Long press in:Press in the setting button for 5 seconds to enter into menu setting mode,after finish adjustment,vertical long press in 5 seconds to save it and exit.

Short press in:switch for fuel consumption,voltage,water temperature,single driving time(Minutes), single driving distance(KM,Mile),Engine RPM.(pls note: after enter into the setting menu, vertical short press in is to increase the menu)

Short push left:switch into the simple mode,only display the speed and RPM(pls note: after enter into the setting menu, short push left is to increase the default value)

Short push right:after enter into the setting menu, short push left is to decrease the default value

Simple display mode:

Firstly push left the button is to display speed and RPM,secondly push left is only display speed

Buzzer Icon:

Long push left the button: push left the wave button for 5 seconds to turn off the buzzer,another 5 seconds to turn on the buzzer.

Clearing engine fault codes:

Long push right the wave button 5 seconds,then all LED will light, it means finish clear the engine fault code,do it again to back to normal display mode

Reset setting:

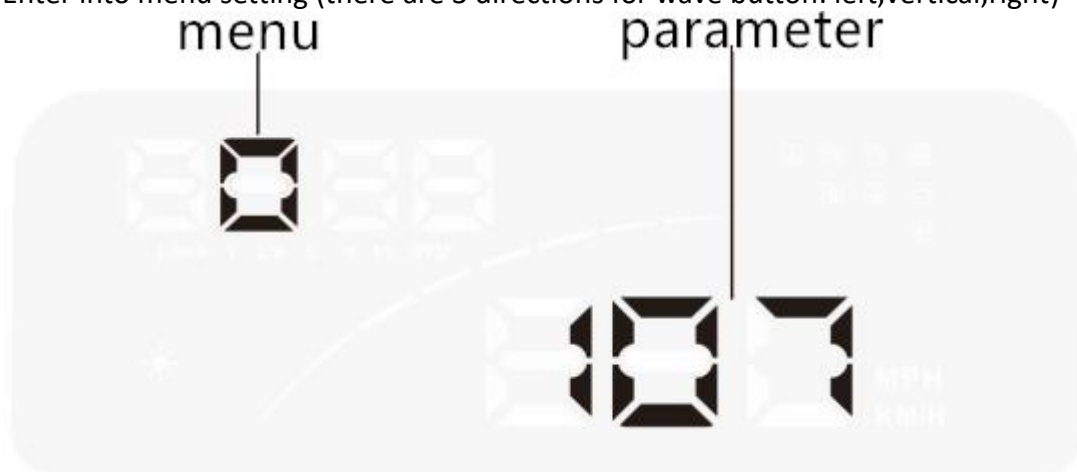
When the product is on working, Long press in for 5s to enter into the setting menu, short press in for 12 times to find menu 12 adjust the default value from 0 to 1, then press in for 5s to keep and exit.

Settings:





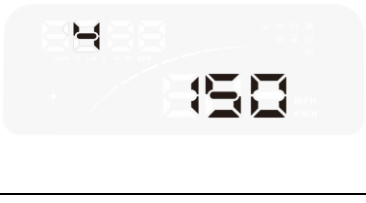



OBD Smart Digital Meter has been adjusted high by car factory to make driving safe. Since OBD Smart Digital Meter receiving data from ECU, thus it display the accurate value. ECU calculated data will be a little different with car dashboard data. If you find OBD Smart Digital Meter is not same as your dashboard, you can enter the menu setting to adjust its value, then it display information will be the same as your dashboard.






Vertically press in the wave button 5 seconds:

Enter into menu setting (there are 3 directions for wave button: left, vertical, right)



vertical long press to enter the menu setting, vertical short press 1 time , menu options will increase 1 unit, left and right pull the wave button to increase or decrease the parameter value. After adjustment, vertical long press 5 seconds to return the previous interface.

Menu	According Parameters	Range Adjustment	Explanation	Default value	Display State
0	Speed	50-150	When the Speed is not the same as dashboard: left or right push the wave button to adjust	107	
1	Fuel consumption	50-150	When fuel consumption is not the same as dashboard: left or right push the wave button to adjust	100	
2	RPM reminding	1-75	When RPM reaches 7500, will give RPM alarm. left or right push the wave button to adjust	75	
3	Single/Four Stage Alarm	0-1	0 is single driving alarm and 1 is the four-stage alarm value (60, 80, 100, 120km/h).	0	
4	Over speed alarm	30-250	Over speed alarm shows up when the vehicle speed exceeds 150. left or right push the wave button to adjust	150	
5	Fatigue driving alarm	1.0-8.0	When the driving time is more than 4 hours, it will give the alarm	4.0	
6	Brightness adjustment	0-5	0 is automatic adjustment, 1 is darkest by manual, 5 is brightest by manual	0	
7	Display Mode	0-1	0 is display on unit body 1 is windshield reflective display	0	

8	Speed unit	1-2	1 is KM, 2 is MPH	1	
9	Water temperature unit	1-2	1 for °C, 2 for °F	1	
10	Emission setting	0.1-10.0	The default car emission is 1.6(means 1.6L)	1.6	
11	Reference start voltage	0-15.0	If cannot power off,adjust to 13.2 or 13.8V	0	
12	Reset setting	0-1	Adjust the parameter to 1,and vertical press in the wave button 5 seconds to save,then the reset is finished	0	

Product Installation :

- 1.Know your vehicle brand,this product 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

First time to use :

Start the engine, and the OBD Smart Digital Meter is power on,it will show the voltage and scan the OBD2 program,if it displays the fuel consumption,speed,RPM,it means installation successfully.(If after a few minutes,it still show the voltage only,please check the device,OBD cable,and OBD2 interface to make sure plug well ,then turn on again.

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: 11.8*4.5*4.3(cm)

Product Weight: 110 g

Solution for Common Problems

1.The screen without any display,and no electricity

Reason: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 no display still,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 30 second when it under the condition with electricity while driving.

Reason: 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. See not clearly when under the sunlight.

Check whether the host surface protective film is torn. Or vertical press in 5 seconds to enter into menu setting when this product is power on,short press 6 times to menu 6,left or right to adjust the parameter to 5,vertical press in 5 seconds to save.

4. wrong operation lead to crashes. Or inaccurate datas

Do a reset setting.

vertical press in 5 seconds to enter into menu setting when the product is power on,short press 12 times to menu 12 and parameter shows 0. Adjust the parameter to 1,vertical press in 5 seconds to save.

5. Inaccurate Speed

a.First check the speed unit is correct or not, the speed unit including KM/H and MPH,menu 8 can switch from KM/H and Mile.

b.When the product is power on,vertical press the wave button 5 seconds to enter into the menu options, here menu option shows 0,parameter shows 107,dial left or dial right the wave button to increase or decrease the value according to the difference until it shows correct one.After adjustment, vertical press in 5 seconds to save it.

6.Inaccurate fuel consumption

The unit for fuel consumption is L/100KM, this product display is the single driving fuel consumption, while car display is Integrated average driving fuel consumption, so it is normal if there are difference.

The product display three kinds of fuel consumption

a.Idle mode: display Instantaneous fuel consumption per hour (L/H), it means this product can figure out how much oil the car will consumed after start engine in one hour

b. Driving mode: display Instantaneous fuel consumption of 100KM

c. Finish driving: display is average fuel consumption of 100KM, when turn off the car, will auto turn off in 10s

Under the condition with power,vertical press the wave button 5 seconds to enter into menu option, short press in 10 times to find menu 10,the default value is 16(means the emission is 1.6L),dial left or dial right the wave button to increase or decrease the value according to the difference with your car emission until it shows correct.Vertical press in 5 seconds to save and exit.

Or find menu 1 ,the parameter shows 100,dial left or dial right to adjust.

7.Over speed alarm

default over speed alarm value is 150,it can be adjusted.

Under the condition with power,vertical press in the wave button 5 seconds to enter into menu option,short press 4 times to menu 4,parameter 150,here 150 means over when driving speed reach 150, this product will give over speed alarm,dial left or dial right the wave button to increase or decrease the value.Vertical press in 5 seconds to save after adjustment.

8. How can see the average fuel consumption of 100KM?

When car turn off, this product will turn off and the fuel consumption place display average fuel consumption of 100KM.

9. cannot be automatically power on

Vertical press in 5 seconds to enter into menu setting, short press 11 times to menu 11, the default value is 0, dial left or dial right to adjust the default value to 128 V, vertical press in 5 seconds to save and exit.