

# **Introduction for DO908**

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## Introduction for DO908

### I. Accessories of the instrument



1. Instrument display
2. Sensor converter
3. Water temperature and oil temperature sensor
4. Tee joint for pressure boost pipe
5. Air filter of pressure boost pipe
6. Pressure boost sensor
7. Oil pressure sensor
8. Exhaust gas temp sensor adapter
9. Exhaust gas temp sensor
10. Connection wire bundle
11. Pressure boost pipe
12. Connecting wire bundle between display and converter

### II. Description for wiring connection

1. The sensor converter is provided with 11 ports as shown in the figure below:



Sockets 1 to 11 are connected to the devices with corresponding numbers:

(1) Spare socket

(2) Spare socket

(3) Power supply input (red ~ +12V; black ~ grounding; white ~ ACC; yellow ~ headlight +12V)

(4) Pressure boost sensor (red ~ sensor+ green ~ signal black ~ sensor-)

(5) Oil pressure sensor (red ~ sensor+ green ~ signal black ~ sensor-)

(6) Air fuel ratio sensor (red ~ sensor+ green ~ signal black ~ sensor-)

(7) Oil temperature sensor (green ~ signal; black ~ grounding)

(8) Water temperature sensor (green ~ signal black ~ grounding)

(9) Exhaust gas temperature sensor (green ~ sensor+ orange ~ sensor-)

(10) Revolutions Per Minute (RPM) signal (green line) and vehicle speed sensor (orange line)

(11) Spare socket

III. The screen fully displays and all lights are on every time the device is powered on. The buzzer gives out three sounds for self-inspection.

IV. After powering on, the screen displays all types of parameters. The default is english and metric unit. the text area at the bottom displays date.

V. Press “up” and “down” keys to select parameters to be displayed at the bottom. They are:

1. The date display is as shown in the figure below.



2. The time display is as shown in the figure below.



3. The revolutions per minute (RPM) display are as shown in the figure below.



4. The TRIP (subtotal mileage) is as shown in the figure below



5. The ODO (total mileage) is as shown in the figure below.



6.0-100KM/H hundred kilometer test mode is as shown in the figure below.



The selected parameters will be memorized and displayed when the device starts next time. When TRIP (subtotal mileage) is selected for display, hold down deletion key for 3 seconds to clear the data of TRIP. ODO (total mileage) does not support zero clearing. Please consult the manufacturer if it is necessary for zero clearing.

VI. 0-100 kilometers acceleration capability test mode:

Select 0-100KM/H RACE in the main interface and select OK key to enter 0-100 kilometers acceleration test. Press "up" and "down" keys to display in order.

THE LAST indicates the test of last test with the unit of second.

1. THE LAST indicates the result of last test with the unit of second.

It is accurate to 0.01 seconds as shown in the figure below.



2. THE BEST indicate the best result of test. Hold down deletion key for 3 seconds to delete and record again as shown in the figure below.



(3) .-REC- indicates starting the test and record as shown in the figure below.



Press OK key in REC interface to begin the test as shown in the figure below.



At the moment, the vehicle speed is not zero and the record begins. The timing stops when the vehicle speed reaches 100KM/H with THE LAST and test result this time displayed. If you want to stop manually, please press deletion key. If this result THE LAST is better than historical record THE BEST, the result recorded this time will replace the grade of historical record (check through THE BEST interface).

4. -PLAY- indicates display of last record as shown in the figure below.



The last test record will be played by selecting “-PLAY-” and press OK key. It stops automatically after plays end. To stop manually, press deletion key

VII. In any interface, hold down enter key to enter menu setting as shown in the figure below.





At the moment, press “up” and “down” keys to select the parameters to be changed. They are:

1. Language setting
2. Date setting
3. time setting
4. Unit setting
5. LED light setting
6. Alarm setting
7. Speed calibration
8. Cylinder number setting

After setting the corresponding items, press enter key to enter the corresponding setting interface.

1. Language setting is as shown in the figure below.



In language setting interface, press enter key to enter language setting. Press “up” and “down” keys to select language. CH stands for Chinese and EN stands for English.

2. Date setting is as shown in the figure below.



In date setting interface, press enter key to enter date format setting as shown in the figure below.



There are three types of date formats for selection. Y stands for year and M stands for month and D stands for day.  
1.YYYY-MM-DD 2.MM-DD-YYYY 3.DD-MM-YYYY  
Press “up” and “down” keys to select date format. Press enter key to enter date setting as shown in the figure below.



After setting current date, press enter key to return date setting menu.

3. Time setting is as shown in the figure below.



In time setting interface, press enter key to enter time setting as shown in the figure below.



After setting current time, press enter key to return to time setting interface.

4. Unit setting is as shown in the figure below.



In unit setting interface, press enter key to enter speed unit setting. Press "up" and "down" keys for selection. They are KM/Hand MPH respectively as shown in the figure below.



After selection is completed, press enter key to enter pressure unit setting. Press “up” and “down” keys for selection. They are PSI and BAR respectively as shown in the figure below.



After selection is completed, press enter key to enter temperature unit setting. Press “up” and “down” keys for selection. They are degree centigrade C and Fahrenheit degree F respectively as shown in the figure below.



After selection is made, press enter key to return to unit setting interface.

5. LED setting is as shown in the figure below.



In LED setting interface, press enter key to enter LED switch setting as shown in the figure below.



In the interface, press “up” and “down” keys to select OFF and ON. At OFF state, press enter key to return to LED setting interface. At ON state, press enter key to enter the setting for the first green lamp as shown in the figure below.



After the alarm value for the first green light is completed, press enter key to enter setting for the second green light as shown in the figure below.



After the alarm value for the second green light is completed, press enter key to enter setting for the third yellow light as shown in the figure below.



After the alarm value for the third yellow light is completed, press enter key to enter setting for the fourth red light as shown in the figure below.



After the alarm value for the fourth red light is completed, press enter key to return to LED setting interface.

6. Alarm setting is as shown in the figure below.



In alarm setting interface, press enter key to enter vehicle speed alarm setting as shown in the figure below.



In the interface, press “up” and “down” keys to set the value for vehicle speed alarm. After setting is completed, press enter key to enter RPM alarm as shown in the figure below.



In the interface, press “up” and “down” keys to set the value for RPM alarm. After setting of alarm value is completed, press enter key to return to alarm setting interface.(Note: if the alarm value is 0, it indicates the RPM alarm is off).

7. Vehicle speed calibration as shown in the figure below.



After pressing enter key in vehicle speed setting interface, the screen displays “IF 30 PRESS OK” as shown in the figure below.



When the vehicle speed reaches 30KM/H, press “OK” key to calibrate speed of the instrument as 30KM/H. After successful calibration, it returns to parameter display interface automatically. At the condition, the speed parameter matches with actual speed of the vehicle. (Note: If the vehicle speed is 0, it is not allowed for calibration).

8. Cylinder number setting is as shown in the figure below



In the interface for cylinder number setting, press “OK” key to enter setting of cylinder number as shown in the figure below.





At the moment, press “up” and “down” keys to adjust the cylinders numbered 1 to 8, after the cylinder number matches with actual cylinder number, press enter key to return to cylinder number setting interface. After all parameter setting is completed, press deletion key to exit from the setting interface and return to parameter display interface. At the setting state, press “OK” key to confirm or enter to the next item and press deletion key to cancel or back.

VIII. Installation hole for display is as shown in the figure below

