

INSTRUCTIONS



Thank you for purchasing our product. Before installing/operating the product, read the instructions carefully and retain them for future reference.

- For installation, follow the steps described. Any damage caused by wrong installation shall be imputed to the users.
- To avoid a short circuit from occurring do not pull or modify the wires during installation.
- Do not disassemble or change any parts. Opening and dissassembling this unit will void any warranty.
- Maintenance and repairs should be executed by our professionals only.



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Hold the Button 1 second

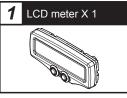
Hold the Button 3 seconds

Symbol description:

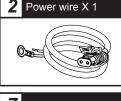
NOTE

AWARNING! Certain procedure must be followed to avoid damages to yourself, to the vehicle or to others.

Accessories

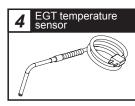




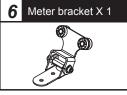


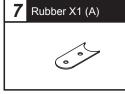


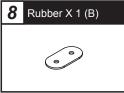


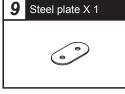






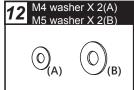


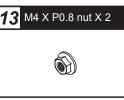




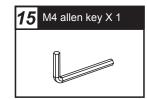




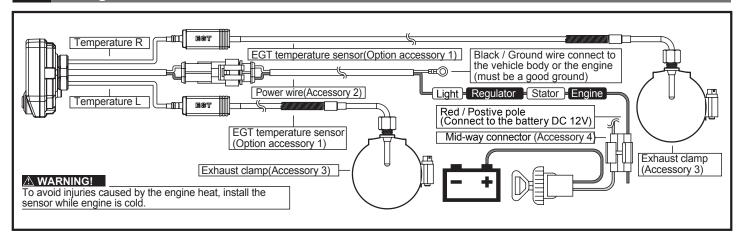




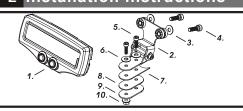




2-1 Wiring installation instructions



2-2 Installation instructions

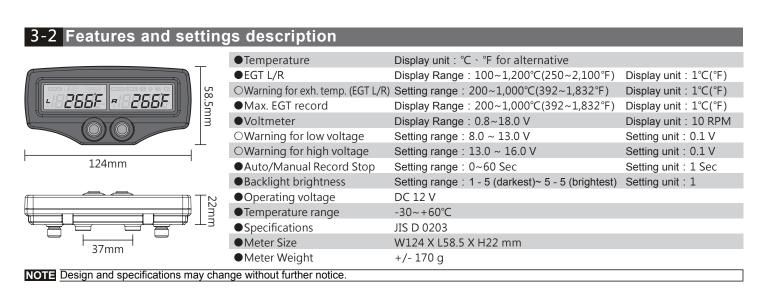


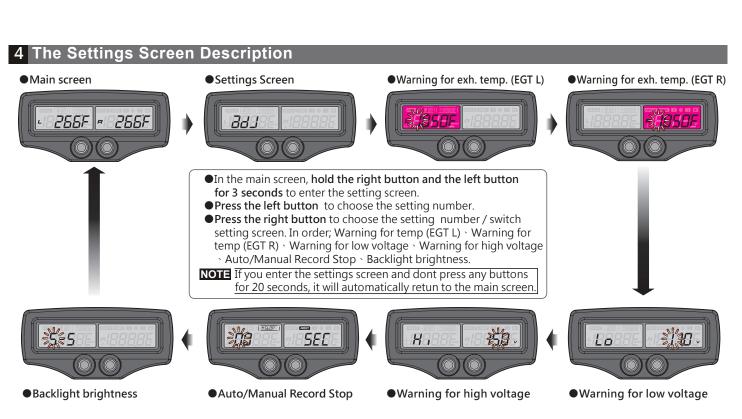
When installing, follow the steps below

- 1.LCD meter(Accessory 1)
- 2.Meter bracket(Accessory 5)
- 3.M5 gasket x2(Accessory 11-B)
- 4.M5 x 18L screw x2(Accessory 10)
- 5.M4 x 18L screw x2(Accessory 9)
- 6.M4 gasket x2(Accessory 11-A)
- 7.Rubber(Accessory 6)
- 8.Rubber(Accessory 7)
- 9.Steel plate(Accessory 8)
- 10.M4 x P0.8 nut x2(Accessory 12)

3-1 Basic function instructions Record Play mode Speed **Backlight brightness** Maximum number of recorded runs: 50 runs 1x rewind/pause 1/3x play/pause ●Setting range: 1-5~5-5 ● Maximum recording time for a single record run: 99m 59s 9; 1x play/pause 3x play/pause Setting unit: 1 recording will stop upon reaching the maximum time. Total recording time: Approximately 3.18 hours Right button ● Display Range: 200~1,200°C(250~2100°F) •In main screen, hold the right button 3 Display unit : 1°C(°F) seconds to switch °C and °F 286F 266F | 266F Left button Hold the right button for 3 seconds, to clear the MAX recording screen. Warning for low voltage ■Setting range: 8.0~13.0 V Warning for exh. temp. (EGT L/R) 100 Z Setting unit: 0.1V Setting range : 200~1,000°C(392~1832°F) Warning for high voltage ● Setting unit: 1°C(°F) Setting range: 13.0~16.0 V Voltage Setting unit: 0.1V 180

Display Range: 8.0~18.0V





4-1 Over EGT L Warning Setting

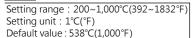


●EX: To set the Warning for temp (EGT L) to 1200°F value to 11,000 RPM

Press the left button once to choose the setting number.

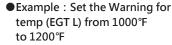
Now the setting value will blink.

NOTE



Press the right button to choose the setting number.





- Press the left button once to enter the warning for temp (EGT R)
- Warning for temperature (EGT R) screen.



-2 Over EGT R Warning Setting

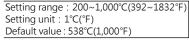


EX: To set the Warning for temp (EGT R) to 1200°F

Press the left button once to choose the setting number.

 \triangle Now the setting value will blink.

NOTE



Press the right button to choose the setting number.



- Example : Set the Warning for temp (EGT R) from 1000°F to 1200°F
- Press the left button once to enter the warning for Water temp screen.
- Water temp screen.



Warning For Low Voltage Setting



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EX: To set the warning for low voltage value to 11.0V

Press the left button once to choose the setting number.

Now the setting value will blink.



Setting range: 8.0 ~ 13.0 V Setting unit: 0.1 V Default value: 10.5 V

Press the right button to choose the setting number.



- Example : Set the warning for low voltage value from 10.5 V to 11.0 V.
- Press the left button once to enter the warning for high voltage.



High voltage screen.

4-4 Warning For High Voltage Setting

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- ●EX: To set the warning for high voltage value to 16V
- Press the left button once to choose the setting number.

 \triangle Now the setting value will blink.



Setting range: 13.0 ~ 16.0 V Setting unit: 0.1 V Default value: 15.0 V

Press the right button to choose the setting number.



- Example : Set the warning for high voltage value from 15.0 V to 16.0 V
- Press the left button once to enter the warning for Auto/Manual Record Stop screen.
- •Auto/Manual Record Stop screen.

4-5 Auto / Manual Record Stop Setting



- ■EX : To set the Auto / Manual Record Stop to 10 Sec.
- Press the left button once to choose the setting number.
- Now the setting value will blink. Auto / Manual Record Stop Function is off when setting is display "0 SEC".
- the setting number.

NOTE

Setting range : 0 ~ 60 Sec Setting unit: 1 Sec Default value: 0 Sec



- Example : Set the Auto / Manual Record Stop from 0 Sec to 10 Sec.
- Press the left button once to enter the backlight brightness screen.



Backlight brightness screen.



4-6 Backlight Brightness Setting



- EX: To set backlight brightness value to 5/5.
- Press the right button once to choose the setting number.

Now the setting value will blink.

NOTE

Setting range: 1/5 ~ 5/5 Setting unit: 1/5 Default value: 3/5



- ●Example: Set the backlight brightness value from 3/5 to 5/5.
- Press the left button once to enter the main screen.



Main screen

5-1 How to switch functions

● 5-1-1 Left button function instructiom(EGT L · MAX)



● Press the left button once to switch from EGT L/R to MAX EGT L/R.



 press the left button once to return to Main screen.



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Hold the left button for 3 seconds, to clear the MAX recording screen.



• 5-1-3 Recording Screen

■ Main screen ∘

●5-1-2 Right button function instructiom(EGT R \ Voltage)



Press the right button once to switch from EGT R to Voltage.



 In the main screen, press the right & left buttons to enter the recording screen.
 (Check section 5-2 for detail)



Press the right button once to switch from Voltage to EGT R.



 In the recording screen, press the right & left buttons to enter the Play Screen.
 (Check section 5-3 for detail)



• 5-1-5 Setting Screen.



●In the main screen, hold the right button and the left button for 3 seconds to enter the setting screen. (Check section 4 for detail)



5-2 Operating instruction of the recording screen



 Main screen, press the right & left buttons to enter the Recording Screen.



● Recording Screen ∘

Hold the left button for 3 seconds, to enter the operating screen for clearing records.



 The recording screen, press the left button once to start recording.

Now the REC will blink.



- At the screen during recording, press the left button once to stop recording.
- •The first run has been recorded.



 To stop the recording screen, press the left button once to enter the recording screen for the second entry.



- Currently it is in the recording screen for the second entry.
- Currently it is in the recording screen for the third entry.
- Currently it is in the recording screen for the fourth entry.



Recording screen,
 Press the right & left buttons to enter the playback Screen.



● playback Screen ∘

5-3 Operating instruction of the playback screen



Recording screen,
 Press the right & left buttons to enter the playback screen.



 Press the left button once to choose the run to be played.



 Press the right button to choose how the run is played.





 Press the left button once to enter the play / stop screen.



 Hold the right button for 3 seconds, to enter the Main screen.



■Main screen ∘

5-4 Operating instruction for clearing the recorded data



In the recording screen, hold the left button for three seconds to enter the operating screen for clearing data.



- Hold the left button for 3 seconds, clearing data.
- Press the right or left button for 3 seconds, cancel clearing data.



 Clearing the data; wait for a few seconds to complete clearing.



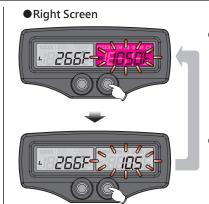
Done

5-5 Multiple Warning display Operating Description

● Left Screen



 Press the left button once to switch from EGT L to RPM.



 Press the right button once to switch from EGT R to voltage.

Press the right button once to switch from voltage to EGT R.

Now the warning value will blink.

NOTE Return to the first after 10 seconds

6 Troubleshooting

The following situations do not indicate malfunctions of the product. Check the following before taking it in for repair.

Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on.	The power isn't supplied to the gauge. →Make sure the wiring is connected. The wiring and fuse are not broken. →The battery is too old to supply needed power (DC 12 V).	Voltage doesn't appear or appears incorrectly.	■Wiring might be poorly installed —Confirm whether the wirings for the connector are properly installed and whether the wirings are connected.
The meter shows wrong information.	Check the voltage of your battery, and make sure the voltage is over DC 12 V.	Temp does not appear or appear incorrectly.	

 $[\]times$ If the problems still cannot be solved, contact our technical department for assistance.