



Thank you for purchasing KOSO's Harley Davidson Oil Temperature meter. Before operating this unit, please read the instructions thoroughly and retain them for future reference.

⚠ Notice

- 1. This meter only functions with DC 12V.
- 2. Any damages caused by faulty installation shall be imputed to the users.
- 3. To avoid a short circuit from occuring, do not pull or modify the wires during installation.
- 4. Dissasembling this unit will void your warranty. Maintenance and repairs should be executed by Professionals only.

SYMBOL MEANING:

∧ Some procedures must be followed in order to avoid faulty installation.

A CAUTION! Some procedures must be followed to avoid damages from occuring to yourself and others.

A CAUTION!



FLASH



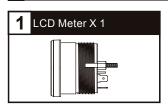


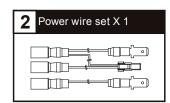


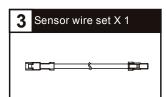
LIGHT PRESS THE PRE ON BUTTON ONE BU TIME SE

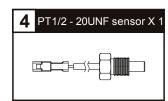
PRESS THE BUTTON 3 SECONDS

1 Accessories

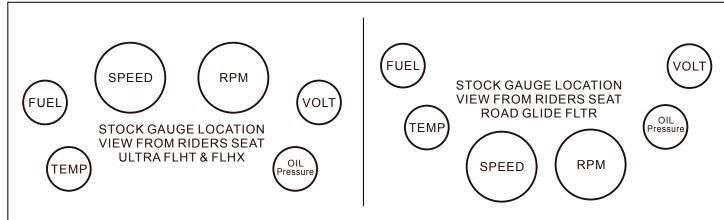








2-1 Gauge location



Disassemble the air thermometer before installing the oil temperature meter.

Gauge positioning and identication for 2004-2013 Harley-Davidson FLHT / FLHX / FLTR

To install the motor oil's thermometer, remove the 2 inch chronograph from the vehicle before installation.

2-2 Disassembling Instructions



- Disconnect the ground (-)
 (negative pole of the battery)
 from the vehicle's battery.
- Remove the mounting screw and remove the fairing.
- 3.Disconnect the headlight connector.



5. Remove the mounting hardware.





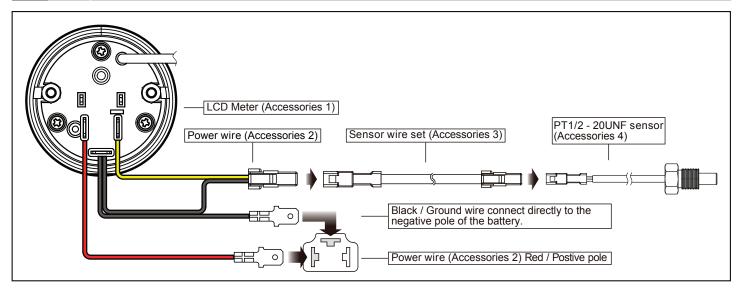
NOTE The installation will be the same procedure backwards

- 6. Remove the meter from the inner fairing.
- Replace the meter with the new KOSO version.

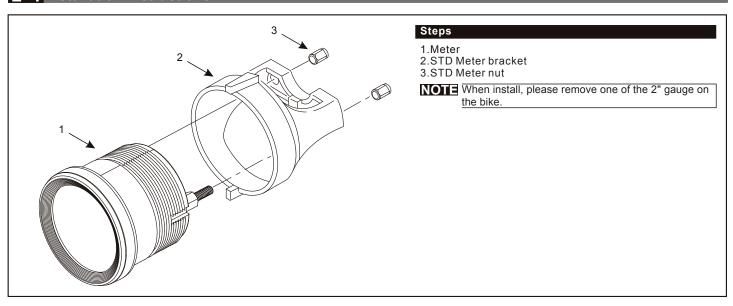


 Disconnect the wiring from the speedometer, tachometer, ambient temp. meter, volt meter, fuel meter, and oil pressure meter.

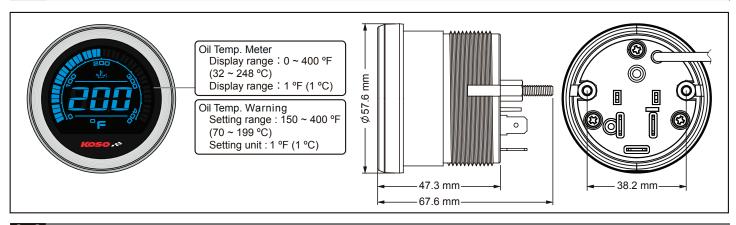
2-3 Wiring Installation Instructions



2-4 Installation Instructions



3-1 Overview



3-2 Function, setting instruction

Oil Temp. Meter	Display range: 0 ~ 400 °F (32 ~ 248 °C)	Backlight color	Setting range: Blue / Red
	Display unit: 1 °F (1 °C)	Backlight setting	Setting range: 1~5
Oil Temp. warning	Setting range: 150 ~ 400 °F (70 ~ 199 °C)	Effective temperature range	-10 ~ 60 °C
	Setting unit: 1 °F (1 °C)	Meter standard	JIS D 0203
Effective voltage	DC 12 V	Meter size	D57.5 X 47.3 mm
		Meter weight	86 g

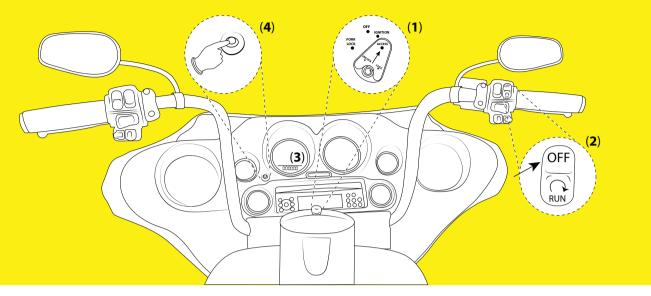
NOTE Design and specications are subject to change without notice!

NOTE Please be advised this meter was programmed according to original factory parameters. If the vehicle has been modified or customized and the parameters have been change, then the meter display might not be accurate

NOTE The backlight adjustment (brightness and color) must be done through the Speedometer housing with the communication harness.

4 Entering the settings

- * To enter the gauge settings mode, you must follow the steps below:
- A: The key must be switched to ON/ACCESSORIES (1).
- B: The Engine OFF/Run must be OFF (2).
- C: The speedometer must be displaying ODOMETER (3).
- **D**: Press and hold the Trip/Reset button down for 3 seconds to enter the settings (4).
- **E**: Use the Trip/Reset button to navigate through the settings (4).





In the main screen, hold the button for 3 seconds to enter in the settings screen.





EX. To change the setting to °C. Press the button to change the setting.



Now the default is flashing

NOTE Setting range: F or C





EX. You want to set the oil temp. warning at 212 °F to 215 °F.

Press and hold the button for 3 seconds to enter the backlight color setting screen.





EX.To change the setting from °F to °C. Hold the button for 3 seconds to enter the Oil temp. warning setting screen.



4-2 Oil temp. warning settings

Press and hold the button for 3 seconds to move to the digit you want to set.





4-3 Backlight color settings

EX.Oil temp. warning is 212 °F.

Now the default is flashing. NOTE Default : 212 °F

Press the button to change the setting.

NOTE Setting range: 150 ~ 400 °F

Press the button to change the setting.





EX. You want to set the backlight color at rE (Red). Press hold pressing the button for 3 seconds to enter the backlight setting screen.

NOTE Default : bu (Blue)

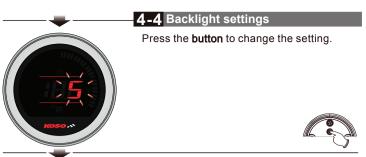
Now the default is flashing

Setting range : bu (Blue) and rE (Red)











EX. You want to set the backlight at 3 . Press and hold the **button for 3 seconds** to go back to the main screen.

NOTE Default : 5

Now the default is flashing

NOTE Setting range : 1 ~ 5





Main screen.

5 Oil temperature sensor

Remove the drain plug and replace it with the Koso oil temperature sensor (Item #4). Remove the O-ring from the drain plug and install it on the temperature sensor to avoid any oil leak. However, we do recommend that you install a new O-ring to ensure proper use.

Torque the Sensor at 1/4. Apply pressure of 10 to 12 ft lbs.

Once installation is complete, warm up the engine and verify that there is no oil leak before riding your bike.

6 Troubleshooting

The following situations do not indicate malfunction of the meter. Please check the following points, before taking it in for repairs.

Trouble	Checkitem		
The meter doesn't work	If there is no power being supplied to the meter.		
when the power is on.	Make sure the wires are connected and that the wires and fuse are not broken.		
Taman dana mat amman	The battery is broken or the battery is too old to supply enough power (DC 12V) to make the meter work.		
Temp does not appear or appears incorrectly.	Check the sensor. Is the wire or temperature sensor broken?		
or appears incorrectly.	is the wife of temperature sensor procent:		