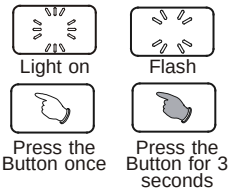
Instruction Sheet
Product: 63-001 & 63-002
Redline Multi Recall Tachometer

INSTRUCTION

Thank you for purchasing our REDLINE meter. Before operating this unit, please read carefully the instruction sheet and retain it for future reference.

⚠ Notice

1.The meter work on DC 9~12 volts applications.
2.For proper installation, please follow the steps described in the instruction. Any damages caused by wrong installation shall be imputed to the users.
3.Don't break or modify the wire terminals. To avoid any short circuit, do not pull the wires out of the terminal when installing.
4.Do not disassemble or change any parts.
5.Opening the instrument will void any warranty. Maintenance or repair should be executed by our professionals only.

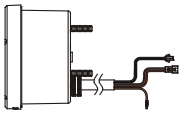


MARK MEANING:

⚠	Some procedures must be followed to avoid damages to the instrument.
⚠ WARNING!	Some procedures must be followed to avoid injuries to the user or others.
⚠ CAUTION!	Some procedures must be followed to avoid damage to the vehicle.

1 Accessory

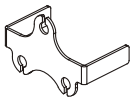
1 Meter X 1



2 Power Supply Harness X1

3 Extended button X1

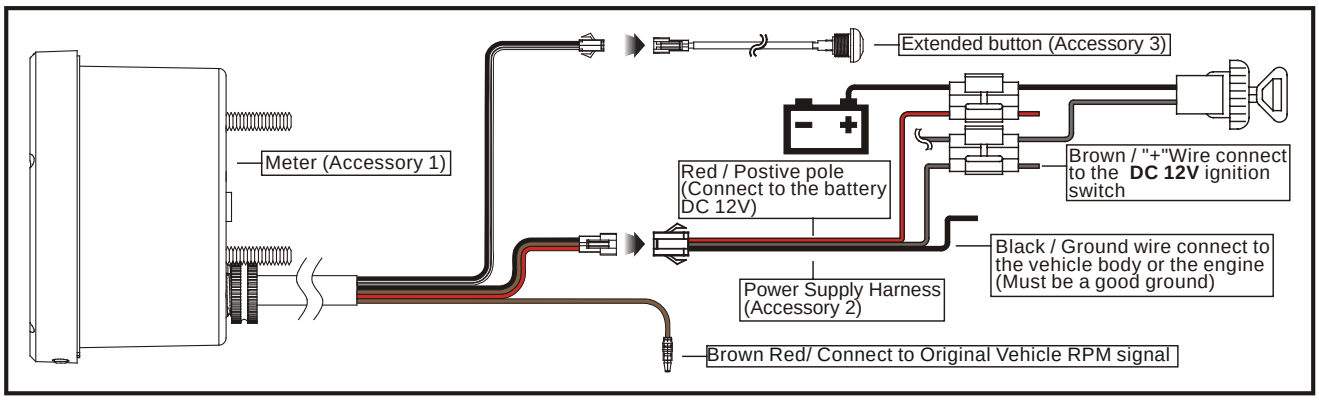
4 Meter bracket X 1



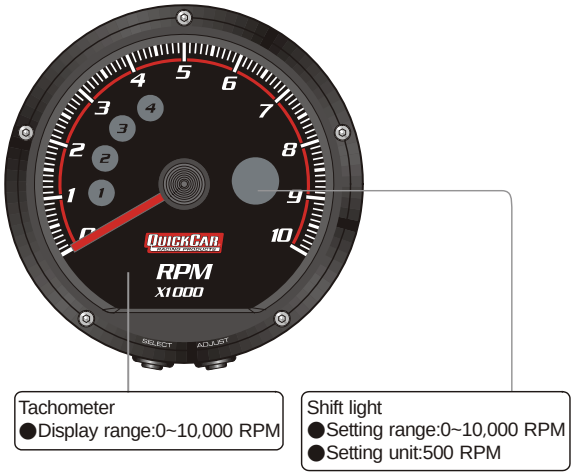
5 M5 washer X 3

6 M5 X P 0.8 nut X 3

2 Wiring installation instructions

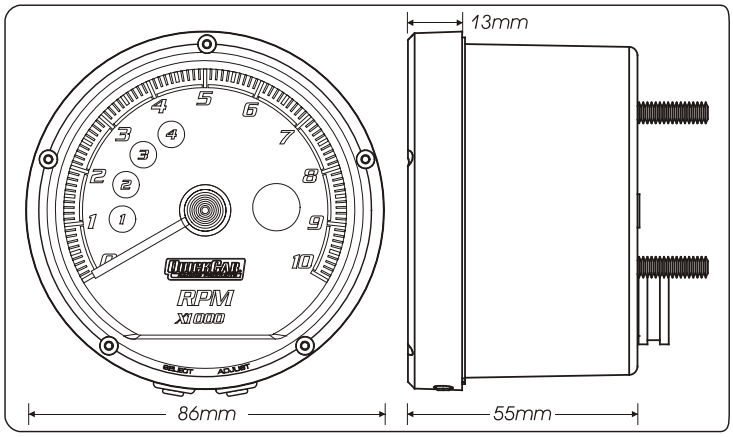


3-1 Basic function instruction



Tachometer
●Display range:0~10,000 RPM

Shift light
●Setting range:0~10,000 RPM
●Setting unit:500 RPM

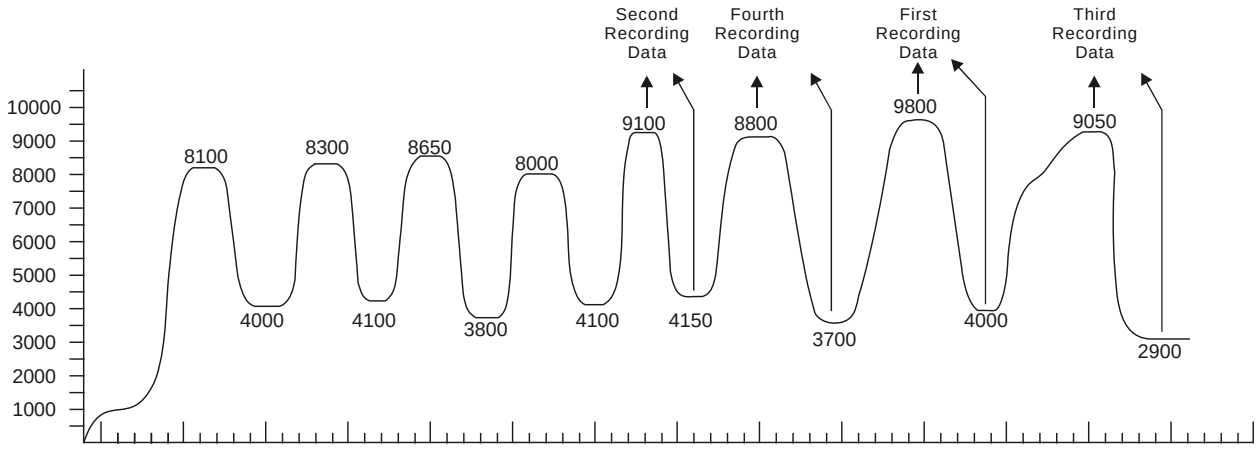


3-2 Specifications

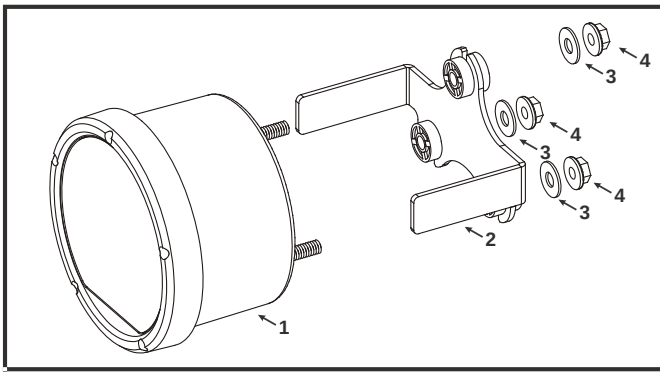
●Tachometer	Display range:0~10,000 RPM	●Effective voltage	DC 12V
○Display internal	< 0.5 second	●Effective temperature range	-10~+60 ℃
○The RPM input signal number setting	Setting range:0.5, 1~6	●Meter standard	JIS D 0203 S2
○The RPM input pulse	Setting range: Hi (Positive wave pulse)	●Meter size	85.5 X 54.5 mm
	Setting range: Lo (Negative wave pulse)	●Meter weight	Aroung 330g
○The shift light	Setting range:0~10,000 RPM	●Indicator light color	RPM shift light (RED)
	Setting unit:500 RPM		

NOTE Design and specifications are subject to change without notice.

3-3 RPM Recording Data Curve Instruction



●The meter will start recording when read the first High RPM, then the lowest RPM right after it will be recorded as first Low RPM. The rest of 3 groups will be recorded under same logic.



When installing, please follow the process.

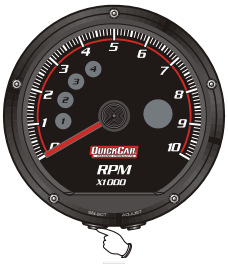
1.Meter X 1 (Accessory 1)
2.Meter bracket X 1(Accessory 4)
3.M5 washer X 3 (Accessory 5)
4.M5 X P 0.8 nut X 3 (Accessory 6)

3-5 RPM Recording Manipulation Setting

●In main screen, press Adjust Button or External Button once to start recording.

●Press Adjust Button or External Button once to stop recording.

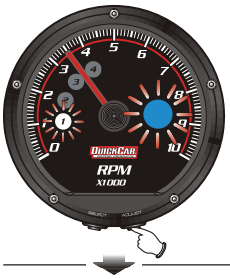
3-6 Instruction for How to Read the RPM Records



●In main screen, press Select Button once or External Button X 3sec. to enter the RPM record display.

●When "1" indicator is lighting up, means the needle currently showing the first High RPM record. And short press the Adjust Button or External Button once the needle will move to the first Low RPM record.

NOTE The RPM records would have 4 different High RPM records and also 4 different Low RPM records



●When needle display the first Low RPM record, short press the Adjust Button or External Button once to enter the second High RPM record.

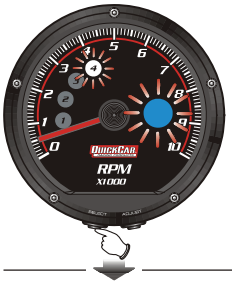
●When "2" indicator is lighting up, means the needle currently showing the second High RPM record. And short press the Adjust Button or External Button once the needle will move to the second Low RPM record.

●When needle display the second Low RPM record, short press the Adjust Button or External Button once to enter the third High RPM record.

●Third High RPM Record

●Third Low RPM Record

●Fourth High RPM Record



●When needle display the fourth Low RPM record, short press the Select Button once or reset the records (3-7) to return the starting screen .

●The main screen.

3-6 Instruction for How to Reset the Records

●In the Main Screen, press the Select Button once or External Button X 3sec. to enter the RPM Record display mode.

●During the RPM Record display mode, press the Adjust button for 3seconds or External Button X 3sec. to reset all 4 High RPM records and all 4 Low RPM records in the same time.

●"1", "2", "3", "4" indicators will be all flashing to represent the RPM records is been reset. After reset, the meter will automatically back to the Main Screen.

4 Entering setting mode

●In the operating mode, hold the S**elect & Adjust button** for 3 seconds to enter the setting mode.

4-1 Piston number setting

●Press the Adjust button to change the value.

⚠ "1" Indicator will be flashing at this moment.

NOTE Setting range:0.5, 1~6

NOTE Default:4

Setting value	2 Strokes setting	4 Strokes setting	RPM per spark
0.5	———	1 pist.	2 RPM signals per 1 spark.
1	1 pist.	2 pist.	1 RPM signals per 1 spark.
1.5	———	3 pist.	2 RPM signals per 3 spark.
2	2 pist.	4 pist.	1 RPM signals per 2 spark.
2.5	———	5 pist.	2 RPM signals per 5 spark.
3	3 pist.	6 pist.	1 RPM signals per 3 spark.
4	4 pist.	8 pist.	1 RPM signals per 4 spark.
5	———	10 pist.	2 RPM signals per 10 spark.
6	4 pist.	12 pist.	1 RPM signals per 6 spark.

⚠ CAUTION! Some 4 strokes engines with one piston are igniting every 360 degree. TO get the proper RPM, the setting should be the same as a 2 strokes engine with one piston.

●Press the Select button once to enter the signal type setting.

●EX. The ignition angle setting is changed from 0.5 to 4 (4C-8P).

4-2 Signal type setting

●Press the Adjust button to change the value. 1=Hi,0=LO

⚠ "2" Indicator will be flashing at this moment.

NOTE We define the RPM input pulse as Hi (Positive pulse) & Lo (Negative pulse)

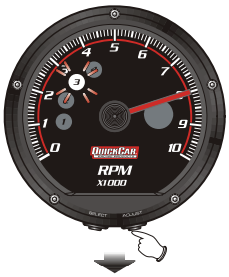
NOTE If the RPM displayed on the meter is incorrect, choose another setting and try it again.

NOTE Default:Hi (Positive pulse)

●Press the Select button once to enter the shift light setting.

●EX. Now the setting is Lo (The negative impulse)

4-3 Shift light setting



●EX: You want the shift light to light on at 8500 RPM Please change the shift light setting value to 8500 directly.

●Press the Adjust button to choose the setting number.

⚠ "3" Indicator will be flashing at this moment.

NOTE Setting range:0~10,000 RPM
Setting unit:500 RPM

⚠ Default:8,000 RPM

●Press the Select button for 3 seconds to enter the Operating mode.

●EX: Now the shift light setting is changed from 8000RPM to 8500 RPM.

●The main screen.