



Thank you for purchasing **KOSO RS DYNOL digital LCM meter** the meter is displayed by lcm with led back light, before operating, please read the instruction carefully and follow it to install the meter.

**NOTICE**

1. The lcd meter is apply for **DC 12V**.
2. For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
3. Don't break or modify the wire terminal. To avoid the short circuit, please don't pull the wire when installing.
4. Do not disassemble or change any parts excluding the manual description.
5. The interior examination or maintenance should be executed by our professionals.

**MARK MEANING:**

**NOTE** You could get the installation details from the information behind the mark.

**!** Some processes must be followed to avoid the affection caused by wrong installation.

**!** **WARNING!** Some processes must be followed to avoid damages to yourself or the public.

**!** **CAUTION!** Some processes must be followed to avoid the damage to the vehicle.

**Content**

1-1 Accessory	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12	2-13	2-14	2-15	2-16	2-17	2-18	2-19	2-20	2-21	2-22	2-23	2-24	2-25	2-26	2-27	2-28	2-29	2-30	2-31	2-32	2-33	2-34	2-35	2-36	2-37	2-38	2-39	2-40	2-41	2-42	2-43	2-44	2-45	2-46	2-47	2-48	2-49	2-50	2-51	2-52	2-53	2-54	2-55	2-56	2-57	2-58	2-59	2-60	2-61	2-62	2-63	2-64	2-65	2-66	2-67	2-68	2-69	2-70	2-71	2-72	2-73	2-74	2-75	2-76	2-77	2-78	2-79	2-80	2-81	2-82	2-83	2-84	2-85	2-86	2-87	2-88	2-89	2-90	2-91	2-92	2-93	2-94	2-95	2-96	2-97	2-98	2-99	2-100
1-2 Option accessory	2-101	2-102	2-103	2-104	2-105	2-106	2-107	2-108	2-109	2-110	2-111	2-112	2-113	2-114	2-115	2-116	2-117	2-118	2-119	2-120	2-121	2-122	2-123	2-124	2-125	2-126	2-127	2-128	2-129	2-130	2-131	2-132	2-133	2-134	2-135	2-136	2-137	2-138	2-139	2-140	2-141	2-142	2-143	2-144	2-145	2-146	2-147	2-148	2-149	2-150	2-151	2-152	2-153	2-154	2-155	2-156	2-157	2-158	2-159	2-160	2-161	2-162	2-163	2-164	2-165	2-166	2-167	2-168	2-169	2-170	2-171	2-172	2-173	2-174	2-175	2-176	2-177	2-178	2-179	2-180	2-181	2-182	2-183	2-184	2-185	2-186	2-187	2-188	2-189	2-190	2-191	2-192	2-193	2-194	2-195	2-196	2-197	2-198	2-199	2-200
2-1 Wiring installation instructions	2-201	2-202	2-203	2-204	2-205	2-206	2-207	2-208	2-209	2-210	2-211	2-212	2-213	2-214	2-215	2-216	2-217	2-218	2-219	2-220	2-221	2-222	2-223	2-224	2-225	2-226	2-227	2-228	2-229	2-230	2-231	2-232	2-233	2-234	2-235	2-236	2-237	2-238	2-239	2-240	2-241	2-242	2-243	2-244	2-245	2-246	2-247	2-248	2-249	2-250	2-251	2-252	2-253	2-254	2-255	2-256	2-257	2-258	2-259	2-260	2-261	2-262	2-263	2-264	2-265	2-266	2-267	2-268	2-269	2-270	2-271	2-272	2-273	2-274	2-275	2-276	2-277	2-278	2-279	2-280	2-281	2-282	2-283	2-284	2-285	2-286	2-287	2-288	2-289	2-290	2-291	2-292	2-293	2-294	2-295	2-296	2-297	2-298	2-299	2-300
2-2 Installation instructions	2-301	2-302	2-303	2-304	2-305	2-306	2-307	2-308	2-309	2-310	2-311	2-312	2-313	2-314	2-315	2-316	2-317	2-318	2-319	2-320	2-321	2-322	2-323	2-324	2-325	2-326	2-327	2-328	2-329	2-330	2-331	2-332	2-333	2-334	2-335	2-336	2-337	2-338	2-339	2-340	2-341	2-342	2-343	2-344	2-345	2-346	2-347	2-348	2-349	2-350	2-351	2-352	2-353	2-354	2-355	2-356	2-357	2-358	2-359	2-360	2-361	2-362	2-363	2-364	2-365	2-366	2-367	2-368	2-369	2-370	2-371	2-372	2-373	2-374	2-375	2-376	2-377	2-378	2-379	2-380	2-381	2-382	2-383	2-384	2-385	2-386	2-387	2-388	2-389	2-390	2-391	2-392	2-393	2-394	2-395	2-396	2-397	2-398	2-399	2-400
3-1 Basic function instruction	2-401	2-402	2-403	2-404	2-405	2-406	2-407	2-408	2-409	2-410	2-411	2-412	2-413	2-414	2-415	2-416	2-417	2-418	2-419	2-420	2-421	2-422	2-423	2-424	2-425	2-426	2-427	2-428	2-429	2-430	2-431	2-432	2-433	2-434	2-435	2-436	2-437	2-438	2-439	2-440	2-441	2-442	2-443	2-444	2-445	2-446	2-447	2-448	2-449	2-450	2-451	2-452	2-453	2-454	2-455	2-456	2-457	2-458	2-459	2-460	2-461	2-462	2-463	2-464	2-465	2-466	2-467	2-468	2-469	2-470	2-471	2-472	2-473	2-474	2-475	2-476	2-477	2-478	2-479	2-480	2-481	2-482	2-483	2-484	2-485	2-486	2-487	2-488	2-489	2-490	2-491	2-492	2-493	2-494	2-495	2-496	2-497	2-498	2-499	2-500
3-2 Standard screen function instruction	2-501	2-502	2-503	2-504	2-505	2-506	2-507	2-508	2-509	2-510	2-511	2-512	2-513	2-514	2-515	2-516	2-517	2-518	2-519	2-520	2-521	2-522	2-523	2-524	2-525	2-526	2-527	2-528	2-529	2-530	2-531	2-532	2-533	2-534	2-535	2-536	2-537	2-538	2-539	2-540	2-541	2-542	2-543	2-544	2-545	2-546	2-547	2-548	2-549	2-550	2-551	2-552	2-553	2-554	2-555	2-556	2-557	2-558	2-559	2-560	2-561	2-562	2-563	2-564	2-565	2-566	2-567	2-568	2-569	2-570	2-571	2-572	2-573	2-574	2-575	2-576	2-577	2-578	2-579	2-580	2-581	2-582	2-583	2-584	2-585	2-586	2-587	2-588	2-589	2-590	2-591	2-592	2-593	2-594	2-595	2-596	2-597	2-598	2-599	2-600
3-3 The bufton function instruction	2-601	2-602	2-603	2-604	2-605	2-606	2-607	2-608	2-609	2-610	2-611	2-612	2-613	2-614	2-615	2-616	2-617	2-618	2-619	2-620	2-621	2-622	2-623	2-624	2-625	2-626	2-627	2-628	2-629	2-630	2-631	2-632	2-633	2-634	2-635	2-636	2-637	2-638	2-639	2-640	2-641	2-642	2-643	2-644	2-645	2-646	2-647	2-648	2-649	2-650	2-651	2-652	2-653	2-654	2-655	2-656	2-657	2-658	2-659	2-660	2-661	2-662	2-663	2-664	2-665	2-666	2-667	2-668	2-669	2-670	2-671	2-672	2-673	2-674	2-675	2-676	2-677	2-678	2-679	2-680	2-681	2-682	2-683	2-684	2-685	2-686	2-687	2-688	2-689	2-690	2-691	2-692	2-693	2-694	2-695	2-696	2-697	2-698	2-699	2-700
3-4 The screen switch instruction	2-701	2-702	2-703	2-704	2-705	2-706	2-707	2-708	2-709	2-710	2-711	2-712	2-713	2-714	2-715	2-716	2-717	2-718	2-719	2-720	2-721	2-722	2-723	2-724	2-725	2-726	2-727	2-728	2-729	2-730	2-731	2-732	2-733	2-734	2-735	2-736	2-737	2-738	2-739	2-740	2-741	2-742	2-743	2-744	2-745	2-746	2-747	2-748	2-749	2-750	2-751	2-752	2-753	2-754	2-755	2-756	2-757	2-758	2-759	2-760	2-761	2-762	2-763	2-764	2-765	2-766	2-767	2-768	2-769	2-770	2-771	2-772	2-773	2-774	2-775	2-776	2-777	2-778	2-779	2-780	2-781	2-782	2-783	2-784	2-785	2-786	2-787	2-788	2-789	2-790	2-791	2-792	2-793	2-794	2-795	2-796	2-797	2-798	2-799	2-800
3-5 Main screen function switch instruction	2-801	2-802	2-803	2-804	2-805	2-806	2-807	2-808	2-809	2-810	2-811	2-812	2-813	2-814	2-815	2-816	2-817	2-818	2-819	2-820	2-821	2-822	2-823	2-824	2-825	2-826	2-827	2-828	2-829	2-830	2-831	2-832	2-833	2-834	2-835	2-836	2-837	2-838	2-839	2-840	2-841	2-842	2-843	2-844	2-845	2-846	2-847	2-848	2-849	2-850	2-851	2-852	2-853	2-854	2-855	2-856	2-857	2-858	2-859	2-860	2-861	2-862	2-863	2-864	2-865	2-866	2-867	2-868	2-869	2-870	2-871	2-872	2-873	2-874	2-875	2-876	2-877	2-878	2-879	2-880	2-881	2-882	2-883	2-884	2-885	2-886	2-887	2-888	2-889	2-890	2-891	2-892	2-893	2-894	2-895	2-896	2-897	2-898	2-899	2-900
3-6 Digital screen function switch instruction	2-901	2-902	2-903	2-904	2-905	2-906	2-907	2-908	2-909	2-910	2-911	2-912	2-913	2-914	2-915	2-916	2-917	2-918	2-919	2-920	2-921	2-922	2-923	2-924	2-925	2-926	2-927	2-928	2-929	2-930	2-931	2-932	2-933	2-934	2-935	2-936	2-937	2-938	2-939	2-940	2-941	2-942	2-943	2-944	2-945	2-946	2-947	2-948	2-949	2-950	2-951	2-952	2-953	2-954	2-955	2-956	2-957	2-958	2-959	2-960	2-961	2-962	2-963	2-964	2-965	2-966	2-967	2-968	2-969	2-970	2-971	2-972	2-973	2-974	2-975	2-976	2-977	2-978	2-979	2-980	2-981	2-982	2-983	2-984	2-985	2-986	2-987	2-988	2-989	2-990	2-991	2-992	2-993	2-994	2-995	2-996	2-997	2-998	2-999	2-1000
3-7 The setting screen instruction	2-1001	2-1002	2-1003	2-1004	2-1005	2-1006	2-1007	2-1008	2-1009	2-1010	2-1011	2-1012	2-1013	2-1014	2-1015	2-1016	2-1017	2-1018	2-1019	2-1020	2-1021	2-1022	2-1023	2-1024	2-1025	2-1026	2-1027	2-1028	2-1029	2-1030	2-1031	2-1032	2-1033	2-1034	2-1035	2-1036	2-1037	2-1038	2-1039	2-1040	2-1041</																																																											

## 1-1 Accessory

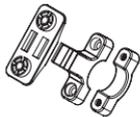
**13** 2.5 mm spanner  
X 1



**14** 4 mm spanner  
X 1



**15** Meter bracket  
X 1 set



**16** M5 X 12L screw  
X 2



**17** M5 X 18L screw  
X 2



**18** M5 gasket X 2

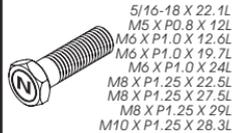


**19** Manual

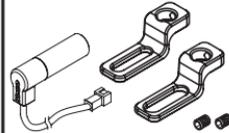


## 1-2 Option accessory

**1** Disc magnet  
screw



**2** Active speed  
sensor



**3** Oil temp sensor  
adapter



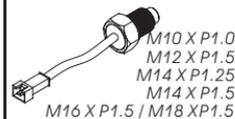
**4** Water temp  
sensor adapter



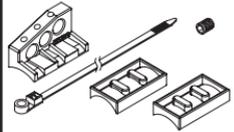
**5** Cylinder head  
temp sensor



**6** Temp sensor



**7** L type speed  
sensor bracket



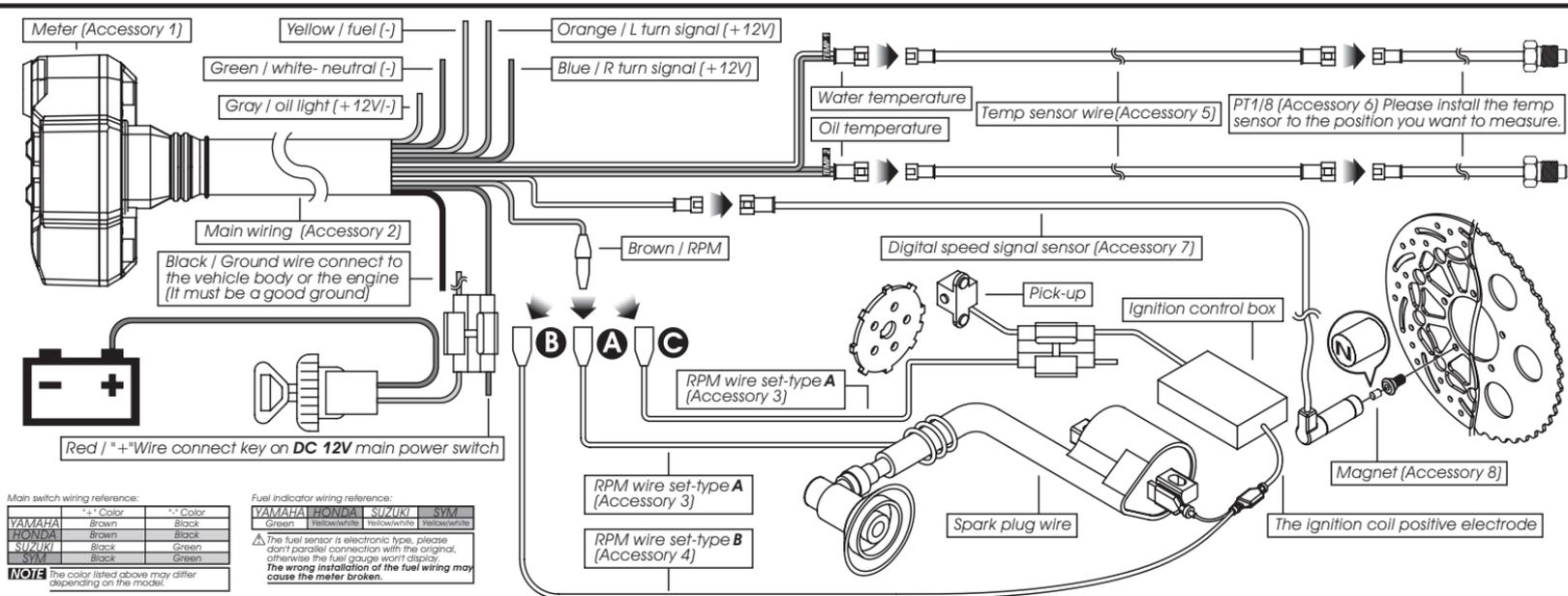
**8** Meter bracket



**NOTE** Please contact us if the items you open are not the same, with the above-listed ones.

**NOTE** Some of the option accessories may not be sold. For the details, please contact the local distributor.

## 2-1 Wiring installation instructions



⚠ The north (N) side of magnet must face to the sensor when installing.

**NOTE** If you don't connect the fuel wiring, the fuel gauge will not display.

**NOTE** When connecting the power wiring, please follow the instruction. If you connect the red & brown wiring in parallel will cause the meter work improperly.

⚠ We provide 2 ways to get the RPM signal-sensor A & sensor B. If there are interruptions, you could change the sensor wiring to get better signal.

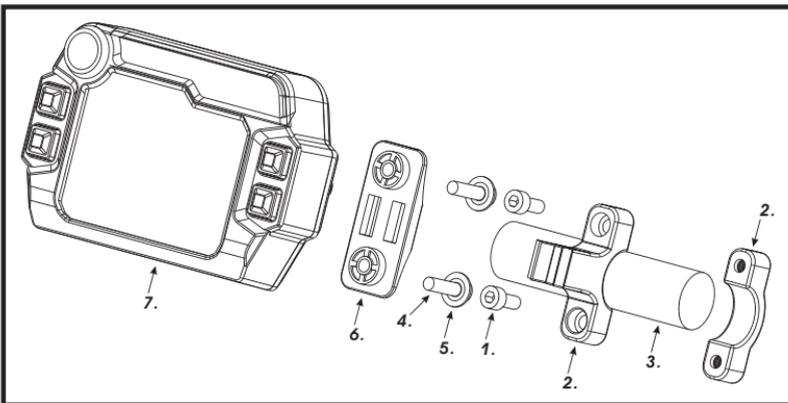
**CAUTION!** Just wind the RPM wire(A) onto the spark plug wire. Do not connect them! We also suggest you to replace the "R" type spark plug in the mean time to get better signal.

For the model more than one piston, please catch the signal from the first cylinder coil wire.

For the model with more than one piston, please just connect the RPM sensor wiring to one of the ignition coil positive electrodes.

※Please make sure that the ignition coil positive electrode before connecting the RPM sensor wiring! Wrong installation will cause the meter broken!

## 2-2 Installation instructions



When installing, please follow the process

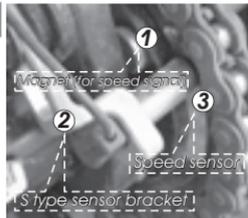
- 1.M5 X 12L screw X 2
- 2.Meter bracket for handle bar
- 3.Fix the bracket on handle bar (7/8 inch)
- 4.M5 X 18L screw X 2
- 5.M5 washer X 2

- 6.Meter fixed board
  - 7.Fix the meter on the board (6) with the screw (5)
  - 8.Fix the meter and the bracket together
- NOTE** Please adjust the meter to the best visible angle before tightening the screw

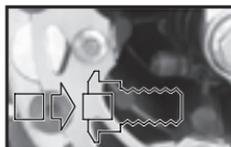
## ATV S type speed sensor bracket instruction

- ① Insert the signal magnet. (You need to dig a hole by yourself).
- ② Install the s-type sensor bracket, you could adjust the proper distance and angle to fit different model.
- ③ After installing the sensor, please adjust the distance between sensor and magnet. Please keep the distance in 8 mm.

**NOTE** About the setting, please refer to 4-8 tire size adjustment/ sensor point setting instruction



## MOTO/SCOOTER S type speed sensor bracket instruction



Put the magnet into the brake disc screw hole.



Install the s type sensor bracket.



Adjust the sensor bracket position to make sure that the sensor could face the magnet to prevent bad speed signal or no signal!



Install the speed sensor on the bracket.



Adjust the distance between sensor and magnet. We suggest you to make sure the distance is under 8mm for catching good speed signal.

**P.S.**

*Try it!*

The more magnet sensor points are, the less the display interval is. When installing the magnet, please put the magnet with **N**-mark side face the outside and put them averagely to avoid wrong signal.

EX. 1: If your disk has 3 screws, you could install 1 or 3 magnets to catch the speed.

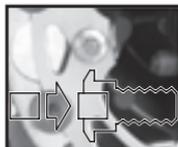
EX. 2: If your disk has 4 screws, you could install 1-2 or 4 magnets to catch the speed.

EX. 3: If your disk has 5 screws, you could install 1 or 5 magnets to catch the speed.

EX. 4: If your disk has 6 screws, you could install 1-2, 3 or 6 magnets to catch the speed.

**After finishing the magnet installation and sensor point setting, please move your tire to test the speedometer work or not.**

## MOTO/SCOOTER L type speed sensor bracket instruction



Put the magnet into the brake disc screw hole.



Use the bind & the non-slip rubber to fix bracket to the front of the shock and adjust the proper height and angle.



Speed sensor installation find a proper hole to put the sensor in and fix it by hexagonal bolt.



Please keep the distance between sensor and magnet in 8 mm to avoid bad signal.

## 3-1 Basic function instruction

### Speedometer

Display range: 0~360 km/h (0~223 MPH).  
Display unit: km/h or MPH can be changed.

### Speeding warning light

Setting range: 30~180 km/h (19~112 MPH).  
Setting unit: 1 km/h (MPH).

### Water/ oil indicator

Display range: 0~150°C (32~302°F) 10 levels, each level represents 15°C (27°F).  
Display unit: °C/ °F for alternative.

### Over temperature warning light

Setting range: 50~150°C (122~302°F).  
Setting unit: 1°C (°F).

### Fuel indicator

Display unit: 10 levels, each level represents 10%.  
Fuel indicator: 100 Ω, 510 Ω, no display.

### Fuel warning

Setting range: 10~50%.  
Setting unit: 10%.

### Voltage indicator

Display range: DC 9.5~24.0 V.  
Display unit: DC 0.1 V.

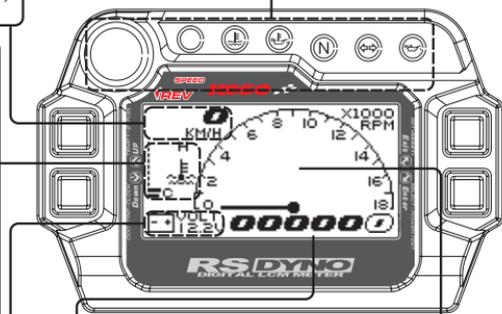
### Odo meter

Display range: 0~99999.9 km/h, and then restart from 0.  
Display unit: km/h or MPH can be changed.

000000

### Indicator lights

From left to right: over RPM, speeding, over temperature (water) warning light 1, over-temperature (oil) warning light 2, natural, flash light, and oil lights.



### Tachometer

Display range: 0~9,000/ 18,000 RPM.  
Display unit: 500 RPM.

**Over-RPM warning light**  
Setting range: 3,000~22,000 RPM.  
Setting unit: 100 RPM.

### Trip meter

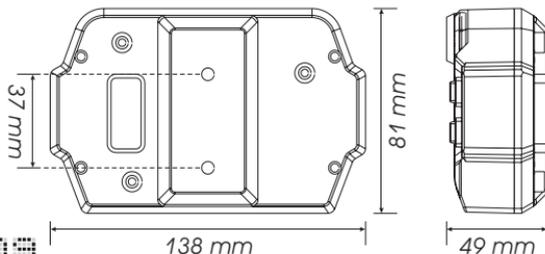
Display range: 0~999.9 km/h, and then restart from 0, manually or automatically.  
Display unit: km/h or MPH can be changed.

0000

### Clock

24 H.

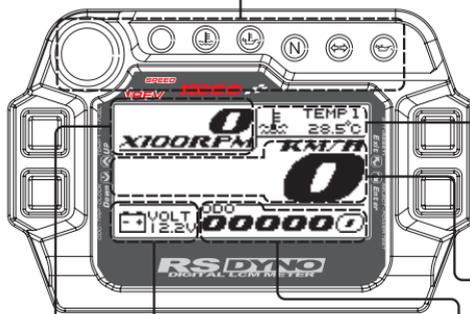
0:00



## 3-2 Standard screen function instruction

### Indicator lights

From left to right: over RPM, speeding, over temperature (water) warning light 1, over-temperature (oil) warning light 2, natural, flash light, and oil lights.



### Voltage indicator

Display range: DC 9.5~24.0 V.  
Display unit: DC 0.1 V.

### Tachometer

Display range: 0~22,000 RPM.  
Display unit: 100 RPM.

### Over-RPM warning light

Setting range: 3,000~22,000 RPM.  
Setting unit: 100 RPM.

### Water/ oil indicator

Display range: 0~150°C (32~302°F)  
Display unit: °C/ °F for alternative.

### Over temperature warning light

Setting range: 50~150°C (122~302°F).  
Setting unit: 1°C (°F).

TEMP 1  
28.5°C

TEMP 2  
28.5°C

### Fuel indicator

Display unit: 10 levels, each level represents 10%.  
Fuel indicator: 100 Ω, 510 Ω, no display.

FUEL

### Fuel warning

Setting range: 10~50%.  
Setting unit: 10%.

### Speedometer

Display range: 0~360 km/h (0~223 MPH).  
Display unit: km/h or MPH can be changed.

### Speeding warning light

Setting range: 30~180 km/h (19~112 MPH).  
Setting unit: 1 km/h (MPH).

### Odo meter

Display range: 0~99999.9 km/h, and then restart from 0.  
Display unit: km/h or MPH can be changed.

000000

### Trip meter

Display range: 0~999.9 km/h, and then restart from 0, manually or automatically.  
Display unit: km/h or MPH can be changed.

TRIP 0000

### Clock

24 H.

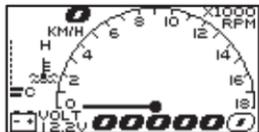
TIME 0:00

### 3-3 The button function instruction

#### Exit BUTTON

Press button  **Exit** one time to enter the setting screen or to back to the main screen from any screens.

UP   **Exit**  
Down   **Enter**



#### Exit BUTTON X 3 SECONDS

In the screen with trip meter, hold down button  **Exit** for 3 seconds to reset the trip meter.

UP   **Exit**  
Down   **Enter**



#### Enter BUTTON

Press button  **Enter** to switch between main screen, digital screen, and the power test screen.

UP   **Exit**  
Down   **Enter**



#### UP BUTTON

In main/digital screen, press button  **UP** to select the function display between water temperature, oil temperature, and the fuel. (Please refer to 3-4 & 3-5)

In setting screen, press button  **UP** to select the screen you want to make the setting. (Please refer to 3-6)

In function setting screen, press button  **UP** to select the units and increase the setting value (like the figure below), press or hold down to increase the setting value automatically

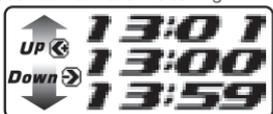
#### Down BUTTON

In main/digital screen, press button  **Down** to select the function display between odometer, trip meter and clock. (Please refer to 3-4 & 3-5)

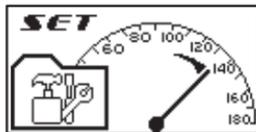
In setting screen, press button  **Down** to select the screen you want to make the setting. (Please refer to 3-6)

In function setting screen, press button  **Down** to select the units and decrease the setting value (like the figure below), press or hold down to decrease the setting value.

UP   **Exit**  
Down   **Enter**



### 3-4 The screen switch instruction



In setting screen:  
Press button  **Exit** to get back to the main screen.

UP   **Exit**  
Down   **Enter**

In main screen:  
Press button  **Exit** to enter the setting screen.

UP   **Exit**  
Down   **Enter**

In main screen:  
Press button  **Enter** to enter digital screen.

UP   **Exit**  
Down   **Enter**

In digital screen:  
Press button  **Enter** to enter the Power test screen.

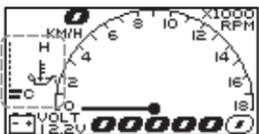
UP   **Exit**  
Down   **Enter**

In power test screen:  
Press button  **Enter** to back to the main screen.

UP   **Exit**  
Down   **Enter**

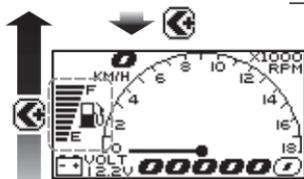
 Press button  **Exit** to return to the main screen in any screen.

### 3-5 Main screen function switch instruction



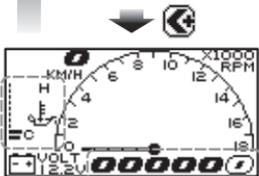
In main screen: Press button **UP** to switch the oil temperature to the fuel indicator.  
EX. Now the left-side screen displays the oil temperature.

**UP** Exit  
**Down** Enter



In main screen: Press button **UP** to switch the fuel indicator to the water temperature.  
EX. Now the left-side screen displays the Fuel.

**UP** Exit  
**Down** Enter

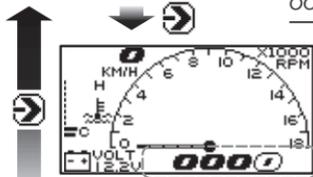


In main screen: Press button **UP** to switch the water temperature to the oil temperature.  
EX. Now the left-side screen displays the oil temperature.

**UP** Exit  
**Down** Enter

In main screen: Press button **Down** to switch the odometer to trip meter.  
EX. Now the screen displays the odometer.

**UP** Exit  
**Down** Enter



In main screen: Press button **Down** to switch the trip meter to clock.  
EX. Now the screen displays the trip meter.

**UP** Exit  
**Down** Enter



In main screen: Press button **Down** to switch to the odometer.  
EX. Now the screen displays the clock.

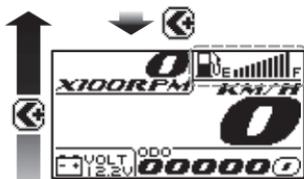
**UP** Exit  
**Down** Enter

### 3-6 Digital screen function switch instruction



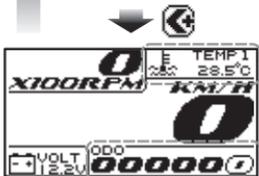
In digital screen: Press button **UP** to switch the oil temperature to the fuel indicator.  
EX. Now oil temperature is 28.5°C.

**UP** Exit  
**Down** Enter



In digital screen: Press button **UP** to switch the fuel indicator to the water temperature.  
EX. Now fuel indicator is full.

**UP** Exit  
**Down** Enter

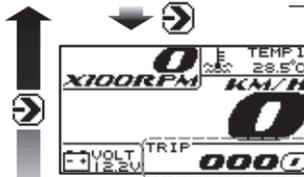


In digital screen: Press button **UP** to switch the water temperature to the oil temperature.  
EX. Now water temperature is 28.5°C.

**UP** Exit  
**Down** Enter

In digital screen: Press button **Down** to switch the odometer to trip meter.  
EX. Now the odometer is 0 km.

**UP** Exit  
**Down** Enter



In digital screen: Press button **Down** to switch the trip meter to clock.  
EX. Now the trip meter is 0 km.

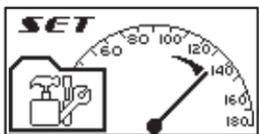
**UP** Exit  
**Down** Enter



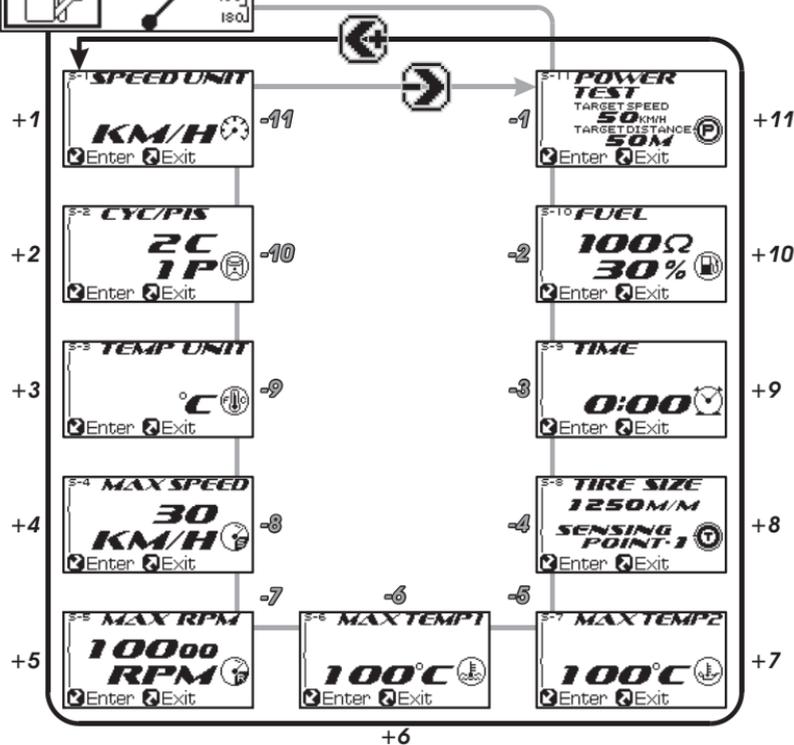
In digital screen: Press button **Down** to switch to the odometer.  
EX. Now the time is 0:00.

**UP** Exit  
**Down** Enter

### 3-7 The setting screen instruction



Press button **UP** to select the screen you want, in order of S-1, S-2, S-3.  
Press button **Down** to select the screen you want, in order of S-11, S-10, S-9, S-8.



**NOTE** When entering the setting screen, if you don't press any buttons after 30 seconds, it will return to the main screen automatically.

### 4 Function, setting instruction

- **Speedometer** Display range: 0~360 km/h (0~223 MPH)  
Display unit: km/h & MPH for alternative
- **Display internal** <0.5 second
- **Odometer** 0~99999.9 km, reset automatically after 99999.9 km.
- **Trip meter** 0~999.9 km, reset automatically after 999.9 km
- **Speeding warning light** Setting range: 30~180 km/h (19~112 MPH)  
Setting unit: 1 km/h (MPH)
- **Tire circumference** Setting range: 1,000~2,500 mm  
Setting unit: 1 mm · Sensitive point: 1~6
- **Needle tachometer** Display range: 0~9,000/ 18,000 RPM  
Display unit: 500 RPM
- **Digital tachometer** Display range: 0~22,000 RPM  
Display unit: 100 RPM
- **Display internal** <0.5 second
- **Over RPM warning light** Setting range: 3,000~22,000 RPM  
Setting unit: 100 RPM
- **Stroke / piston setting** 2 Stroke: 1, 2, 3, 4 pistons  
4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Temperature** Display unit: °C & °F for alternative
- **Level water indicator** Display range: 0~150°C (32~302°F), 10 levels  
Display unit: Each level represents 15°C (27°F)
- **Level oil indicator** Display range: 0~150°C (32~302°F), 10 levels  
Display unit: Each level represents 15°C (27°F)
- **Digital water indicator** Display range: 0~150°C (32~302°F)  
Display unit: 0.1°C (°F)
- **Digital oil indicator** Display range: 0~150°C (32~302°F)  
Display unit: 0.1°C (°F)

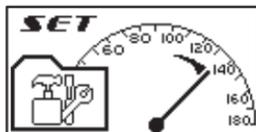
(Next page)

## 4 Function, setting instruction

○Display internal	<0.5 second
○Over temperature warning (water & oil) light	Setting range: 50~150°C (122~302°F) Setting unit: 1°C (1°F)
●Fuel indicator	Display range: 10 levels Display unit: Each level represents 10 % Setting range: 100 Ω, 510 Ω, no display
○Fuel warning	Setting range: 10~50 % Setting unit: 10 %
●Clock	24 H
●Volt meter	Display range: DC 9.5~24.0 V Display unit: DC 0.1V
○Display internal	<0.5 second
●Target speed timer	Setting range: 30~360 km/h (20~220 MPH) Setting unit: 5 km/h (MPH)
●Target distance timer	Setting range: 50~1,000 m (1/32~20/32 mile) Setting unit: 50 m (1/32 mile)
●Top speed timer	The record including, 1.Speed : 0~360 km/h (0~223 MPH) 2.Distance : 0~999 m (0~3280 feet) 3.Timer : 0~9.59.9 second.
●Usage voltage	DC 12V
●Install voltage	DC 40V
●Operating temperature range	-10~+60°C
●Product model	JIS D 0203 S2
●Product size	126 X 81 X 49 mm
●Product weight	Around 200 g
●Indicator light	Neutral-green, flash-yellow, oil-red

**NOTE** Design and Specifications are subject to change without notice!

## 4-1 Speed unit setting



Press button **UP** once (Or the button **Down** 11 times) to select the speed unit setting screen.

**UP** Exit  
**Down** Enter

Press button **Enter** to enter the setting screen. EX. Now the original setting is km/h.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter

Press button **UP** or **Down** to select the speed unit.

**NOTE** km/h and MPH is alternative.

⚠ Now the **KM/H** is flashing!

**UP** Exit  
**Down** Enter

Press button **Enter** to return to the main screen. EX. The setting is changed from km/h to MPH.

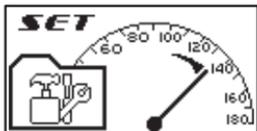
If you just want to make the setting, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter

Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

## 4-2 Cycle/piston setting



Press button **UP** or **Down** 2 times (Or the button **Down** 10 times) to select the strokes/pistons setting screen.

### CAUTION!

- Make sure the correct strokes and pistons before setting.
- Make sure the input is correct, or the RPM output will be incorrect.
- We define the engine with the ignition system ignites every 360 degree as 2-stroke and the engine with the ignition system ignites every 720 degree as 4-stroke.
- Some 4-stroke bikes with one single piston are igniting every 360 degree once, so the setting should be the same as the bike with 2-stroke and one piston engine.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter strokes/pistons setting screen.  
EX. Now the setting is 2-stroke with one single piston.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the stroke.

**NOTE** There are 4-stroke and 2-stroke.

Now the **2** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to enter pistons setting screen.  
EX. The setting is changed from 2-Stroke to 4-stroke.

**UP** Exit  
**Down** Enter

Next page



Press button **UP** or **Down** to select the number you want to input.

**NOTE** 2-stroke pistons are 1,2,3,4.  
4-stroke pistons are 1,2,3,4,5,6,8,10,12.

Now the **1** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the signal impulse setting.

EX. The piston setting is changed from 1 P (Piston) to 4 P (Pistons).

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to choose the signal impulse you want to set.

Now the signal impulse setting is flashing!

**NOTE** The signal impulse setting range is between high (The positive signal) & low (The negative signal)

**NOTE** If the tachometer can't detect the signal (No RPM is displayed on the screen), you could choose another setting and check it again.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the digital needle tachometer range setting  
EX. The input signal is changed from low to high.

**UP** Exit  
**Down** Enter

Next page

## 4-2 Cycle/piston setting



Press button **UP** or **Down** to choose the range you need.

**NOTE** The ranges for selection are 9,000 RPM and 18,000 RPM.

▲ Now the **9000** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to return to strokes/pistons setting screen.  
EX. Now the digital needle tachometer range is changed from 9,000 RPM to 18,000 RPM.

▲ If you just want to make the setting, press button **Exit** to back to the main screen.

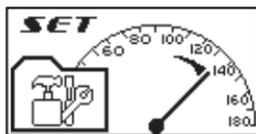
**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

## 4-3 The temperature unit setting



Press button **UP** 3 times (Or the button **Down** 9 times) to select the temperature unit setting screen.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the setting screen.  
EX. Now the setting unit is °C.

▲ If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the temperature unit.

**NOTE** There are °C and °F for alternatives.

▲ Now the **°C** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to return to temperature unit setting screen.  
EX. The unit setting is changed from °C to °F.

▲ If you just want to make the setting, press button **Exit** to back to the main screen.

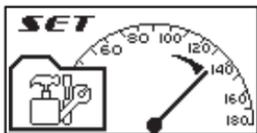
**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

## 4-4 Speeding warning light setting



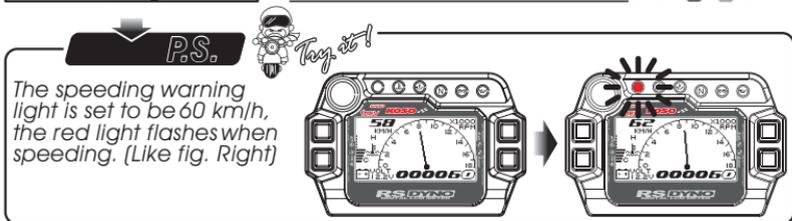
Press button **UP** (left arrow) 4 times (Or the button **Down** (right arrow) 8 times) to select the speeding warning light setting screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **UP** (left arrow) or **Down** (right arrow) to select the other setting screens.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **Enter** (left arrow) to enter the speeding warning light setting screen.  
EX. Now the setting is 30 km/h.

If you just want to check the setting, press button **Exit** (right arrow) to return to the main screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **UP** (left arrow) or **Down** (right arrow) to select the number you want to input.

**NOTE** The setting range: 30~180 km/h (19~112 MPH). Setting unit: 1 km/h (MPH).

Now the **30** is flashing!

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



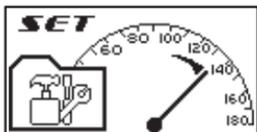
Press button **Enter** (left arrow) to return to speeding warning light setting screen.  
EX. The setting is changed from 30 km/h to 60 km/h.

If you just want to make the setting, press button **Exit** (right arrow) to back to the main screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)

(Next page)

## 4-5 Over RPM warning light setting



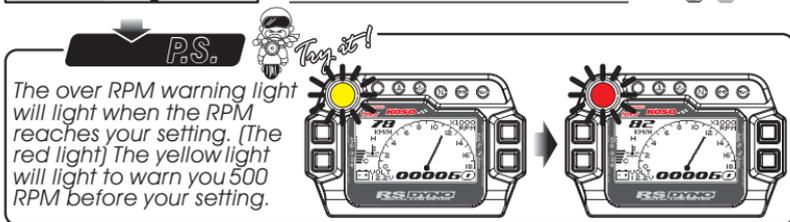
Press button **UP** (left arrow) 5 times (Or the button **Down** (right arrow) 7 times) to select the over RPM warning light setting screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **UP** (left arrow) or **Down** (right arrow) to select the other setting screens.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **Enter** (left arrow) to enter the over RPM warning light setting screen.  
EX. Now the setting is 10,000 RPM.

If you just want to check the setting, press button **Exit** (right arrow) to return to the main screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



Press button **UP** (left arrow) or **Down** (right arrow) to select the number you want to input.

**NOTE** The setting range: 3,000~22,000 RPM.  
Setting unit: 100 RPM.

Now the **100** is flashing!

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)



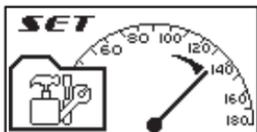
Press button **Enter** (left arrow) to return to over RPM warning light setting screen.  
EX. The setting is changed from 10,000 RPM to 12,000 RPM.

If you just want to make the setting, press button **Exit** (right arrow) to back to the main screen.

**UP** (left arrow) **Exit** (right arrow)  
**Down** (right arrow) **Enter** (left arrow)

Next page

## 4-6 Over temperature (Water temperature) warning light 1 setting



Press button **UP** (or the button **Down**) 6 times to select the over temperature warning light 1 setting screen.

**UP** Exit  
**Down** Enter



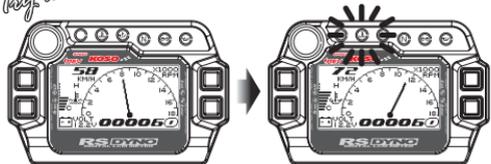
Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

P.S.



If the warning light is set to be 90°C, the red light will flash when the oil temperature is over your setting. (Like fig. right)



Press button **Enter** to enter the over temperature warning light 2 setting screen.  
EX. Now the setting is 100°C.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter

Press button **UP** or **Down** to select the number you want to input.

**NOTE** The setting range: 50~150°C (122~302°F). Setting unit: 1°C (°F).

Now the **100** is flashing!

**UP** Exit  
**Down** Enter

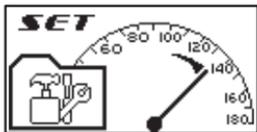
Press button **Enter** to return to over temperature warning light 1 setting screen.  
EX. The setting is changed from 100°C to 90°C.

If you just want to make the setting, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter

Next page

## 4-7 Over temperature (Oil temperature) warning light 2 setting



Press button **UP** (or the button **Down**) 5 times to select the over temperature warning light 2 setting screen.

**UP** Exit  
**Down** Enter

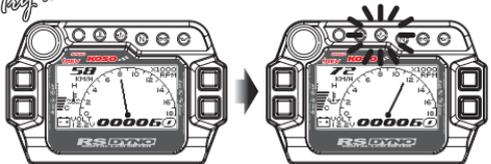


Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

**P.S.**

If the warning light is set to be 90°C, the red light will flash when the oil temperature is over your setting. (Like fig. right)



Press button **Enter** to enter the over temperature warning light 2 setting screen.  
EX. Now the setting is 100°C.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The setting range: 50~150°C (122~302°F). Setting unit: 1°C (°F).

Now the **100** is flashing!

**UP** Exit  
**Down** Enter



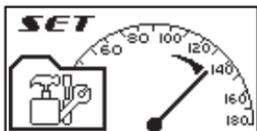
Press button **Enter** to return to over temperature warning light 2 setting screen.  
EX. The setting is changed from 100°C to 90°C.

If you just want to make the setting, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter

Next page

## 4-8 Tire size adjustment/ sensor point setting instruction



Press button **UP** 8 times (Or the button **Down** 4 times) to select the tire size adjustment/ sensor point setting screen.

### CAUTION!

- Please measure the circumference of the tire (Please measure the tire which you will put the magnets on) before setting and make sure the numbers of the magnets (Installed to the breaking rotor or the screws on the sprocket.)
- Please make sure all the input value is correct, or the output data will be affected.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the setting screen.  
EX. The circumference setting is 1,250 mm and the sensor point is 1.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



You could define the valve as the starting point and the terminal point to measure the wheel circumference with a measuring tape.

Press button **UP** or **Down** to select the number you want to input.

**NOTE** The setting range: 1,000~2,500 mm.  
Setting unit: 1 mm.

Now the **1250** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the sensor point setting screen.  
EX. Now the circumference is changed from 1,250 mm to 1,300 mm.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The sensor point setting range is from 1 to 6.

Now the **1** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to return to the tire size adjustment/ sensor point setting screen.  
EX. Now the sensor point setting is changed from 1 to 6.

If you just want to make the setting, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter

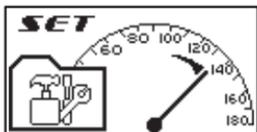


Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

Next page

## 4-9 The clock setting instruction



Press button **UP** (or the button **Down**) 9 times (Or the button **Down** 3 times) to select the clock setting instruction setting screen.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the clock setting instruction screen.  
EX. Now the time is 0:00.

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The time range: 0~24 hours.

▲ Now the **0** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the minutes setting screen.  
EX. The hour is changed from 0 to 13.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the number you want to input.

▲ Now the **00** is flashing!

**UP** Exit  
**Down** Enter

Next page



Press button **Enter** to return to the clock setting instruction screen.  
EX. The minute is changed from 0 to 1.

If you just want to make the setting, press button **Exit** to back to the main screen.

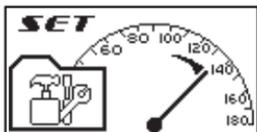
**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

## 4-10 Fuel sensor impedance & insufficient fuel warning setting instruction



Press button **UP** or **Down** 2 times to select the fuel impedance & insufficient fuel warning setting screen.

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the fuel impedance & insufficient fuel warning setting screen.

EX. Now the fuel sensor impedance setting is 100 Ω and the insufficient fuel warning is 30 %.

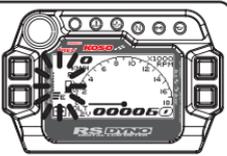
If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter

**P.S.**



Usually the fuel sensor impedance setting is 100 Ω for YAMAHA models, and 510 Ω for the HONDA models, but sometimes it will differ depending on the model. The insufficient fuel warning setting: if the fuel is less than the value you set, it will flash. (Like fig. right)



Press button **UP** or **Down** to select the number you want to input.

**NOTE** Fuel sensor impedance setting range: 100 Ω, 510 Ω and no display.

Now the **100 Ω** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the insufficient fuel warning setting screen.

EX. Now 100 Ω is changed to 510 Ω.

**UP** Exit  
**Down** Enter

Next page



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The setting range: 10~50 %.  
Setting unit: 10 %.

Now the **30%** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to return to the previous fuel sensor impedance setting screen.

EX. Now the setting is changed from 30 % to 20 %.

If you just want to make the setting, press button **Exit** to back to the main screen.

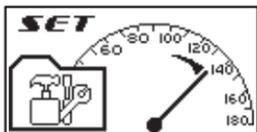
**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

## 4-11 The target speed timer/ target distance timer setting



Press button **UP** or **Down** once to select the target speed timer/ target distance timer setting

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the target speed timer setting screen.  
EX. The target speed timer setting is 0~50 km/h and the target distance timer setting is 50 m (1/32 mile).

If you just want to check the setting, press button **Exit** to return to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The target speed timer setting range: 30~360 km/h (20~220 MPH).  
Setting unit: 5 km/h (MPH).

Now the **50** is flashing!

The setting unit will change together with the speed unit setting (4-1).

**UP** Exit  
**Down** Enter



Press button **Enter** to enter the target distance timer setting screen.  
EX. Now the target speed timer is changed from 0~50 km/h to 0~120 km/h.

**UP** Exit  
**Down** Enter

(Next page)



Press button **UP** or **Down** to select the number you want to input.

**NOTE** The target distance timer setting range: 50~1000 m (1/32~20/32 mile).  
Setting unit: 50 m (1/32 mile).

Now the **50** is flashing!

**UP** Exit  
**Down** Enter



Press button **Enter** to return to the target speed timer/ target distance timer setting  
EX. Now the target distance timer setting is changed from 1/32 mile (50 m) to 2/32 mile (100 m).

If you just want to make the setting, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter



Press button **UP** or **Down** to select the other setting screens.

**UP** Exit  
**Down** Enter

# 5-1 Power TEST Target speed timer test



## ⚠ WARNING!

Please use this function at racetrack to avoid traffic accidents.

In the power test screen, press **UP** once (Or the button **Down** 3 times.) to enter the target speed timer test screen.

**NOTE** Please start the test when the bike stops.

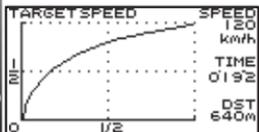
⚠ If you have the power test record, it will display the record first. You must clear the record before starting a new test.

**UP** Exit  
**Down** Enter

Enter the testing screen if no record

The record display screen

Enter the testing screen



Press button **Enter** to enter the test standby screen.  
EX. The target speed timer test setting is 0~120 km/h, the time to reach the speed is 19.2 seconds, and the distance you need to reach the speed is 640 meter.

⏪ If you just want to check the record, press button **Exit** to back to the main screen.

**UP** Exit  
**Down** Enter

When the bike moves, the timer will start automatically.

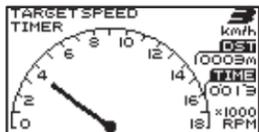
⚠ Now the target speed timer is flashing!

**NOTE** About the power test setting, please check 4-11.

**UP** Exit  
**Down** Enter

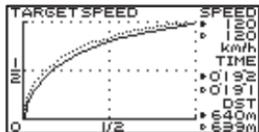
(Next page)

The timer and trip meter will start to count automatically when your bike moves. When you reach the target speed you set, the timer and trip meter will stop counting automatically.



⚠ During the test.

**UP** Exit  
**Down** Enter



When you reach the target speed you set (0~120 km/h), the timer will stop counting (19.1 second).  
EX. The dotted line means the previous record, and the true line means the new record.  
For example, the previous record on the left side curve means the time to reach 120 km/h is 19.2 seconds, and the distance you need is 640 meter. And the new record is 19.1 seconds, and the distance is 639 meter.

⚠ If the speed you set is too low (For example 30~60 km/h), the curve will disconnect because the sampling is not enough.

**UP** Exit  
**Down** Enter

(Next page)

## 5-1 Power TEST Target speed timer test

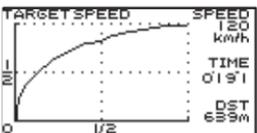


Press button **Enter** to save the record and then enter the new record screen.

**NOTE** When you save the new record, the previous record will be replaced.

Press button **Exit** to delete the record and back to the previous record screen.

UP **Exit**  
Down **Enter**



The record screen.

If you already finished the test, press button **Exit** to back to the main screen.

If you want to make another test, press button **Enter** to enter the test standby screen.

UP **Exit**  
Down **Enter**

**PS.** *Try it!*

To stop the timer during the test:  
 1. Press button **Exit**, the timer will stop right away and then enter the record screen.  
 2. Press any button to enter the record screen.  
 3. Press button **Enter** to save the record and enter the record screen or press button **Exit** to delete the record and enter the previous record screen.  
 4. Press button **Enter** to enter the target speed timer test? standby screen

## 5-2 Power TEST Target distance timer test



### ⚠ WARNING!

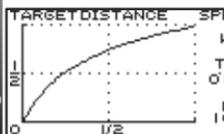
Please use this function at racetrack to avoid traffic accidents.

In the power test screen, press **UP** 2 times (Or the button **Down** 2 times.) to enter the Target distance timer test screen.

**NOTE** Please start the test when the bike stops.

⚠ If you have the power test record, it will display the record first. You must clear the record before starting a new test.

UP **Exit**  
Down **Enter**

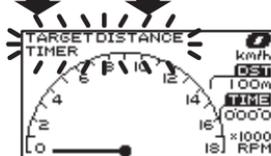


Press button **Enter** to enter the test standby screen.

EX. The target distance timer test setting is 100 meters (2/32 mile) the time to reach the distance is 10.2 seconds, and the top speed you reach during the test is 63 km/h.

If you just want to check the record, press button **Exit** to back to the main screen.

UP **Exit**  
Down **Enter**



When the bike moves, the timer will start automatically.

⚠ Now the target distance timer is flashing!

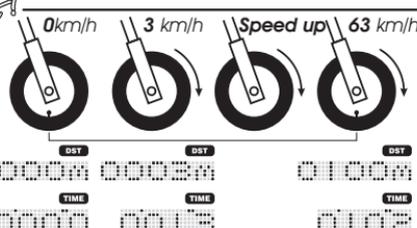
**NOTE** About the power test setting, please check 4-11.

UP **Exit**  
Down **Enter**

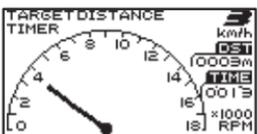
(Next page)

## 5-2 Power TEST Target distance timer test

**PS.**  *Try it!*

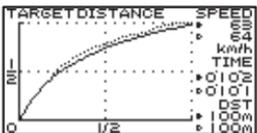


The timer and trip meter will start to count automatically when your bike moves. When you reach the target distance you set, the speedometer and timer will stop counting automatically.



⚠ During the test.

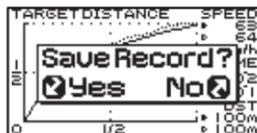
UP Exit  
Down Enter



When you reach the target distance you set (100 m . 2/32 mile), the timer will stop counting (10.2 second).  
EX. The dotted line means the previous record, and the true line means the new record. For example, the previous record on the left side curve means the time to reach 100 km/h is 10.2 seconds, and the top speed you reach is 63 km/h. And the new record is 10.1 seconds, and the top speed you reach is 64 km/h. Press any button to enter the record screen.

⚠ If the distance you set is short (for example 50 or 100 meters), the curve will disconnect because the sampling is not enough.

UP Exit  
Down Enter

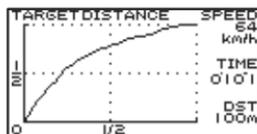


Press button Enter to save the record and then enter the new record screen.

**NOTE** When you save the new record, the previous record will be replaced.

Press button Exit to delete the record and back to the previous record screen.

UP Exit  
Down Enter



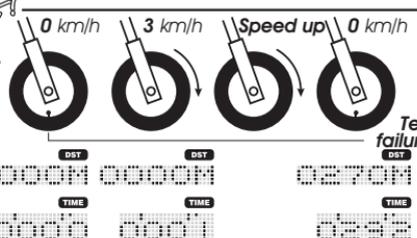
The record screen.

If you already finished the test, press button Exit to back to the main screen.

If you want to make another test, press button Enter to enter the test standby screen.

UP Exit  
Down Enter

**PS.**  *Try it!*



To stop the timer during the test:

1. Press button Exit , the timer will stop right away and then enter the record screen.
2. Press any button to enter the record screen.
3. Press button Enter to save the record and enter the record screen or press button Exit to delete the record and enter the previous record screen.
4. Press button Enter to enter the target distance timer test? standby screen.

Next page

# 5-3 Power TEST The top speed test

## Power TEST

### ⚠ WARNING!

Please use this function at racetrack to avoid traffic accidents.

In the Power test screen, press **UP** 3 times (Or the button **Down** once.) to enter the top speed test screen.

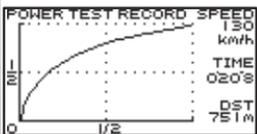
**NOTE** Please start the test when the bike stops.

⚠ If you have the power test record, it will display the record first. You must clear the record before starting a new test.

**UP** **Exit**  
**Down** **Enter**

Enter the testing screen if no record

The record display screen



Press button **Enter** to enter the test standby screen.  
EX. Now you could see the record you have before. If displays the top speed is 130 km/h, the distance to reach the top speed is 751 m, the time you need to reach the top speed is 20.8 seconds.

If you just want to check the record, press button **Exit** to back to the main screen.

**UP** **Exit**  
**Down** **Enter**

When the bike moves, the timer will start automatically.

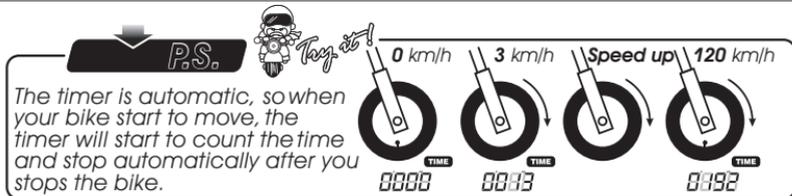
⚠ Now the power test is flashing!

**NOTE** The top speed test range:  
Speed: 0~360 km/h (0~223 MPH).  
Distance: 0~999 m (3280 feet)  
Timer: 0~9.59.9 seconds.

⚠ The setting unit will change together with the speed unit setting (4-1).

**UP** **Exit**  
**Down** **Enter**

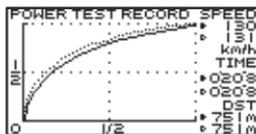
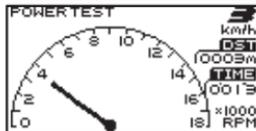
(Next page)



The timer is automatic, so when your bike start to move, the timer will start to count the time and stop automatically after you stops the bike.

⚠ During the test.

**UP** **Exit**  
**Down** **Enter**



When you reach the top speed (130 km/h), the meter will stop counting the distance (751 m), and time (20.8 seconds).  
EX. The dotted line means the previous record, and the true line means the new record.  
For example, the top speed is 130 km/h, the time to reach it is 20.8 seconds, and the distance you need is 751m in the previous record.  
And the top speed is 131 km/h, the time to reach it is 20.8 seconds, and the distance you need is 751 m in the new record.  
Press any button to enter the record screen.

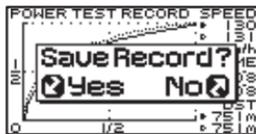
**UP** **Exit**  
**Down** **Enter**

Press button **Enter** to save the record and then enter the new record screen.

**NOTE** When you save the new record, the previous record will be replaced.

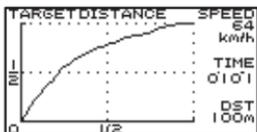
Press button **Enter** to delete the record and back to the previous record screen.

**UP** **Exit**  
**Down** **Enter**



(Next page)

## 5-3 *Power* TEST The top speed test



The record screen.

If you already finished the test, press button **Exit** to back to the main screen.

If you want to make another test, press button **Enter** to enter the test standby screen.

UP **Exit**  
Down **Enter**

## 6 Trouble shooting

The following situation do not indicate malfunction of the meter. Please check the following before taking it in for repair.

Trouble	Check item
No display	<ul style="list-style-type: none"> <li>● Please check the power wiring. → Please check the wiring is connected the wiring and fuse are not broken.</li> <li>→ The battery is broken or the output power is not enough.</li> <li>● Do you replace the spark plug with "R" type one ? (No RPM display)</li> </ul>
Incorrect date appear	<ul style="list-style-type: none"> <li>● Please check the input power is DC 12V. If the voltage is insufficient, please change the battery.</li> </ul>
Speed does not appear or appear incorrectly	<ul style="list-style-type: none"> <li>● Please make sure the cable is connected correctly.</li> <li>● Please check the tire-size setting. → Please refer to the manual 4-8.</li> </ul>
Tachometer does not appear or appear incorrectly	<ul style="list-style-type: none"> <li>● Please check the rpm sensor wiring is connected correctly.</li> <li>● Please check your setting. → Please refer to the manual 4-2.</li> </ul>
Fuel gauge does not appear or appear incorrectly	<ul style="list-style-type: none"> <li>● Please check your fuel tank . → Is there any fuel indicator ?</li> <li>● Please check the power. → Is the power on ?</li> <li>● Please check the wiring. → Do you connect the wiring correctly ?</li> <li>● Please check the setting. → Please refer to the manual 4-10.</li> </ul>
Temp does not appear or appear incorrectly	<ul style="list-style-type: none"> <li>● Please check the sensor. → Is the wiring broken or falling off ?</li> </ul>
The clock appear Incorrectly	<ul style="list-style-type: none"> <li>● If you don't ride the motorcycle for a long time, the capacitance will lose power and the record will be reset. the capacitance will recharge after you start riding the bike.</li> </ul>

※If you still can't solve the problems according to the steps above, please contact with distributors or us.

## 7 Guarantee & notice of products

We hope our products are perfect. Should it happened that our products were bad qualities, we would do our best to exchange the same items to you. Furthermore, we apologize we could not exchange the items with breakdowns or damages by human. (The guarantee standards are on the basis of the following rules.)

### The guarantee rules of products

1. Problems are happened when normal operating according to the notes of the manual in the guarantee time, please bring the product to distributors or us and we will repair for free.
2. If breakdowns are happened in the guarantee time, please bring to distributors or us and present us the guarantee and the details describing the damages situations.
3. It couldn't be repaired if it is a prize, but you can contact with us.
4. We will charge you for repairing under the following situations even in the guarantee time:
  - 〈 1 〉 No guarantee.
  - 〈 2 〉 No customer's name, purchase date, distributor's name, and/or change the characters in the guarantee.
  - 〈 3 〉 The damage is caused by being operated with mistakes, repaired roughly, disassembled and refitted.
  - 〈 4 〉 The damage is caused by being fell down to the ground or being watered.
  - 〈 5 〉 The damage is not caused by the electric power. For example: Fire, earthquake, wind, rain, thunder, or visitation etc.
5. The guarantee is only available in your country.

※ The guarantee time is an advantage of consumers for repairing free. If your product needs to be repaired but the guarantee time has passed or you don't remember where you bought, please contact with us.

