

3. Experimental Contents

- 1) Study the braking reaction time of cyclist or car driver when the signal light is changed,
- 2) Study the braking reaction time of cyclist when hearing the sound of a car horn.

4. Experiment Instruction

1) Instruction for Automotive Test

- a) On main menu, press "Up" or "Down" key to select "Automotive Test".
- b) Press "Set" key to enter the test interface.
- c) Press the "Set" key again to start the test.
- d) Follow the screen prompt to press gas pedal down. Note: release gas pedal before red light ON will be considered as foul.
- e) Follow the screen prompt to press brake pedal down at the time red light ON.
- f) The screen shows the reaction time of this test. Press "Set" to return to step 3 to test again.
- g) Press "Up" key to enter the statistics interface, the screen shows the average reaction time and the number of fouls.
- h) Press the "Set" key to enter the historical record interface, the screen shows the last 20 test results, press the "Up" or "Down" key to turn the pages.
- i) Press the "Return" key to return to the test interface.
- j) Press the "Down" key to empty the history record. Press "Set" to return to step 3 to test again.
- k) Press the "Return" key to end the test and return to the main menu.

2) Instruction for Bicycle Test

- a) Press "Up" or "Down" in the main menu to select "Bicycle Test".
- b) Press the "Set" key to enter the test interface.
- c) Press "Set" again to start the test.
- d) Squeeze the handbrake after the red light is lit according to the screen prompt. Early braking will be considered a foul.
- e) The screen shows the reaction time of this test. Press "Set" to return to step c) and test again.
- f) Press the "Up" key to enter the statistical information interface, the screen displays the average reaction time and the number of fouls.
- g) Press the "Set" button to enter the historical record interface, the screen displays the latest 20 test results, press the "up" or "down" button to turn pages.
- h) Press the "Return" button to return to the test interface.

- i) Press the "Down" button to clear the history record. Press "Set" to return to step c) and test again.
- j) Press the "Return" key to end the test and return to the main menu.

3) Instruction for Sound Test

- a) Press the "Up" or "Down" key in the main menu to select "Sound Test".
- b) Press the "Set" key to enter the test interface.
- c) Press "Set" again to start the test.
- d) Squeeze the handbrake after the car horn sounds according to the prompts on the screen. Early braking will be considered a foul.
- e) The screen shows the reaction time of this test. Press "Set" to return to step c) and test again.
- f) Press the "Up" key to enter the statistical information interface, the screen displays the average reaction time and the number of fouls.
- g) Press the "Set" button to enter the historical record interface, the screen displays the latest 20 test results, press the "up" or "down" button to turn pages.
- h) Press the "Return" button to return to the test interface.
- i) Press the "Down" button to clear the history record. Press "Set" to return to step c) and test again.
- j) Press the "Return" key to end the test and return to the main menu.