

## Safety Precautions

- **Warning:** Please read and understand all instructions in this manual. Use the machine when the vehicle is stopped, otherwise it may cause a personal accident. Please stay alert and pay attention to what you are doing.
- maintain detector dry, clean, no oil and grease. If necessary, wipe the dirt off with a mild cleaner on a clean cloth.

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# 1 Product Overview

## Product Overview

TR100 is a handheld vehicle tire measurement tool. It can calculate tire thickness and wear degree by precise algorithm, which greatly ensures driving safety.

The tool is simple to operate. The product can be used independently or configured with Avka flat plate car diagnostic instrument, which can transmit measurement results to the flat plate with one key and generate detection report. At the same time, it supports the product of Aifuka four-wheel positioning instrument. Before the user operates the four-wheel positioning instrument, the tool can be used to detect the tread, so as to know whether the vehicle tire is in good condition, so as to ensure the

accuracy of the measurement results of the four-wheel positioning instrument.

## 1.1 Appearance and Key Descriptions



No.	Name
①	Screen

②	Enter key
③	Magnetic absorption calibration table
④	Front Camera
⑤	Laser
⑥	Rear Camera

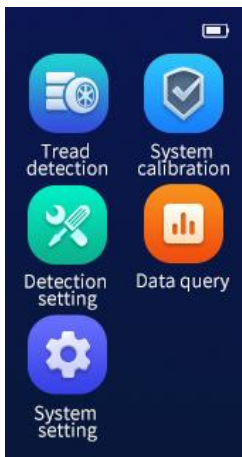
## 1.2 Technical Parameters

Name	Parameter
Operating System	Android 9.0
Display	1.97 inch LCD

Battery Capacity	3.6V/3200mAh
Laser	Green light 5mW
Camera	Rear camera 8 million pixels Front camera 2 million pixels
Work Voltage	DC 5V 1A
Work Temperature	-20°C~65°C
Dimension	312mm*56mm*53mm

## 2 Operation

## 2.1 Menu and Functions



Tread detection: measuring the thickness of automobile tires.

System calibration: Calibrate the measurement standard algorithm to ensure the accuracy of measurement results.

Detection Settings: including tire number, data unit,

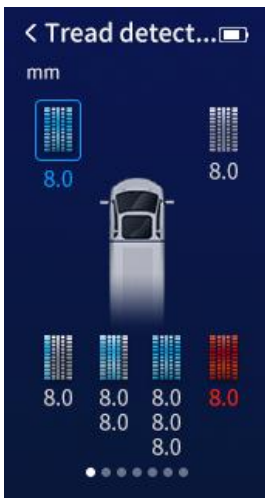
tire type, tire detection mode Settings.

Data query: Only the latest measurement results can be queried.

System Settings: Include network connection, brightness, screen out time, automatic shutdown time, language, about, update, and restore factory Settings.

### **Tread detection**





1. Measurement method: Place the position of the magnetic suction head of the detector horizontally to the groove of the tire, and press the OK button on the detector to start the detection. The detection result will be displayed in the corresponding position of the vehicle tire.

2. support manual selection of tire measurement, directly on the detector screen manual selection

can give priority to the tire measurement.

3. According to the setting of the number of tires, there are two situations on the measurement page: four tires and six tires. This setting can be operated in Detection Settings.

4. Manually swipe the left page to switch to the detailed information page of each tire, as shown in the figure below.



## System calibration



Place the detector on the calibration table and click OK to start the calibration.

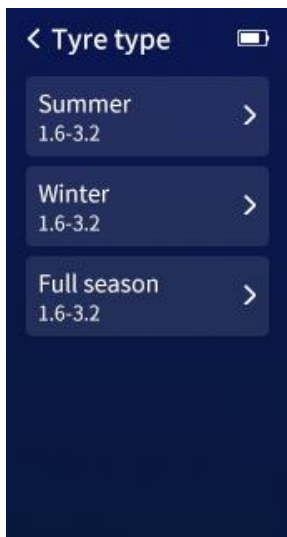
### **Detection setting**



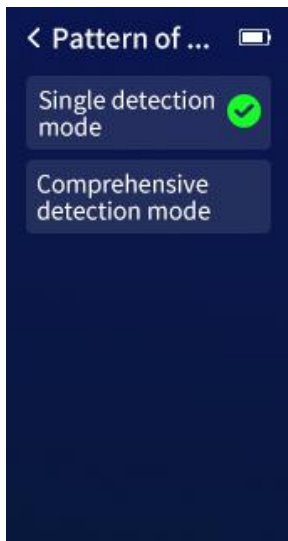
Number of tires: Includes 4/6 tires

Data unit: including metric/imperial system

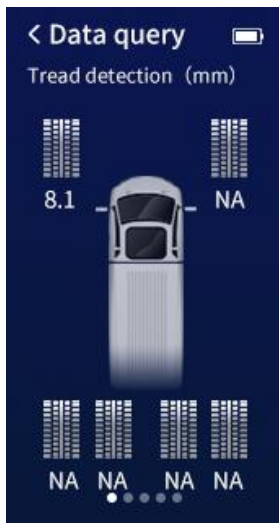
Tire type: including summer, autumn and winter types. Tire wear limits can be set differently in different seasons.



Tire pattern detection mode: including single detection mode and comprehensive detection mode.



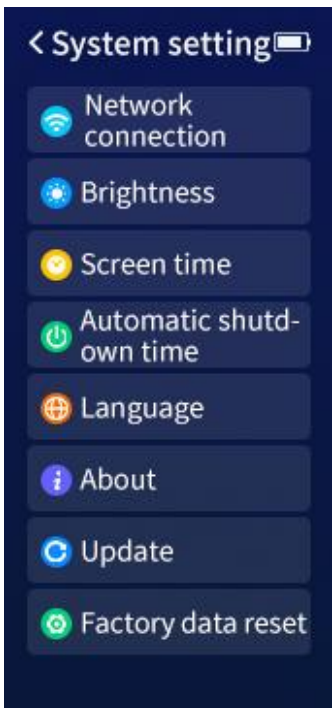
数据查询



查看最近一次的测量记录。

系统设置





This device complies with part 15 of the FCC Rules. Operation is subject to the following two

conditions: (1) this device may not cause harmful interference, and (2) this device must accept

any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B

digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation. This equipment

generates, uses and can radiate radio frequency energy and, if not installed and used in

accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to

correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different

from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be

used in portable exposure condition without restriction