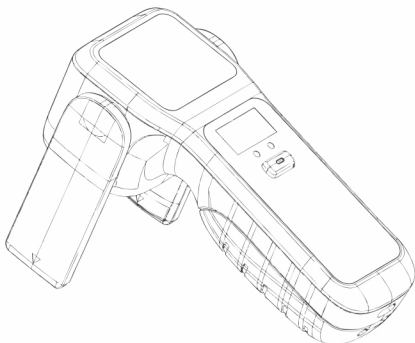


KOICCI™

TreadEye™ S1

Smart Tire Tread Detector

Quick Guide

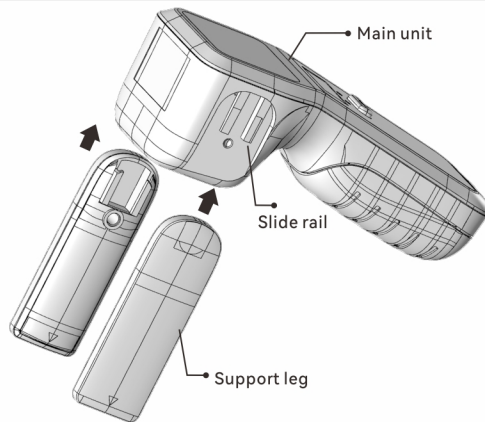


FC CE RoHS



Made in China

● Product Installation

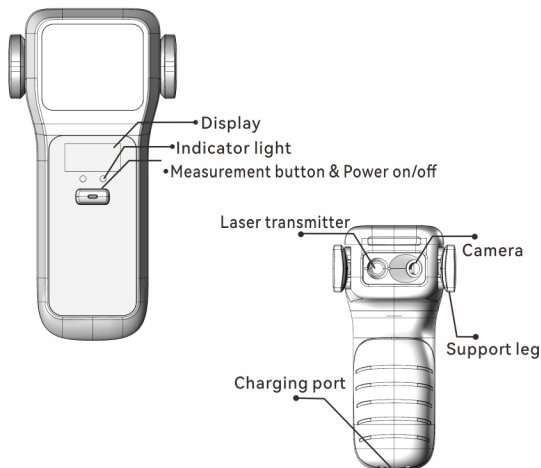


1. Before use, please install the two support legs onto the main unit. Align the support legs with the center of the slide rail on the main unit and gently push them into the end of the slide rail.
2. These two support legs are exactly the same and can be used freely.
3. It is recommended that the support legs remain in this state after installation, unless they need to be removed when putting them back into the packaging box for storage.
4. Remove the support leg: hold the support leg and pull it slightly in the opposite direction of installation.
5. The support legs and main unit slide rails are highly rigid and will not be damaged during normal installation and disassembly. Do not handle with excessive force.

● Product Parameters

Dimensions	132mm * 67mm * 79mm
Ambient Temperature	-5 ~ 40 °C
Weight	137g
Measurement Accuracy	0.1mm
Display	0.96", Color
Charging Port	USB 2.0(Type-C)
Input	5V, 0.5A
Battery	3.7V, 800mAh
Data Communication	Wireless data transfer
Device Startup	4S quick start
Laser	520nm±10nm, Class II

● Component Introduction



◎ Measurement button & Power on/off

Power on: Press and hold for 4s and the screen lights up.

Power off: Press and hold for 3s and the screen goes off.

Measurement: When it is on, press once to complete a measurement.

◎ Display: Display results and status

◎ Indicator light

Left light: Red when charging; turns off when fully charged; blinks when abnormal.

Right light: Flashes green when operating.

◎ Laser transmitter

Laser light source. **DO NOT STARE INTO BEAM.** ⚠

◎ Camera

Capture the laser-projected image. Keep the mirror clean.

◎ Charging port

USB 2.0 (Type-C interface). Please use a 5V standard charger.

DO NOT use inferior chargers to avoid damaging the device.

◎ Support leg

When measuring, place the support legs (marked with the yellow arrow) in the center of the tread groove to fix the position.

● Device Display

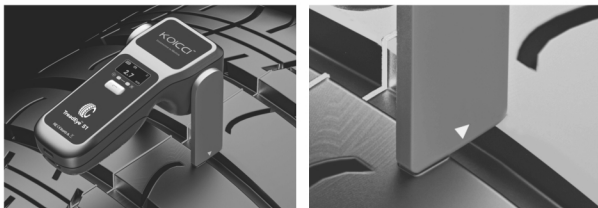


2.7	Measurement value
	Battery status
	Rain mode: suitable for situations where there is a lot of water on the tread
	Wireless communication status
	Unit: mm or Inch

Groove Depth	< 1.6 mm	1.6 - 3.0 mm	> 3.0 mm
Value Color	Red	Yellow	Green

● Measurement Operation

1. Two measurement methods: one as a standalone device, and the other in conjunction with the APP.
2. Once the device enters the measurement interface, position the device's support legs (marked with yellow arrow) over the corresponding grooves on the tire, keeping the device perpendicular to the grooves.



3. Press the button once, and the device emits a laser that shines on the tire tread, automatically acquiring the image and calculating the result, which is then displayed on the device's screen.

4. By default in the APP, the measurement starts at the first outer groove and progresses toward the inner grooves. The measurement results are displayed on the device screen and in the corresponding location in the APP.

5. In the APP, the measurement sequence is "left front wheel - right front wheel - right rear wheel - left rear wheel" and automatically switches to the next tire. Or manually select a tire for measurement.

6. Rain Mode

The Rain mode needs to be enabled on the device through the APP application. It is disabled by default.

When there is a lot of rainwater on the tire treads, which reduces the success rate of measurements or causes abnormal data, please enable this mode.

☔ this logo will be displayed on the screen when the mode is activated.

Under normal circumstances, please keep Rain mode OFF to avoid affecting the measurement. ⚠

● Product List

Device		Quick guide with Certificate	 
Charge-only cable			

● Safety & Maintenance

1. This device contains a laser that complies with IEC and FDA Class II. Its operating power is safe and will not pose a health hazard under normal operation.

2. **DO NOT STARE INTO BEAM** when the device is working with laser.
Keep out of reach of children ⚠



3. Lens Maintenance

To ensure accurate tread-depth measurements, keep the camera lens clean at all times. If the lens becomes dirty, gently wipe it using a microfiber eyeglass-cleaning cloth.

4. Battery Safety

This product contains a built-in 14500 Li-ion battery. Do not disassemble or replace it;

Use only the standard 5V charger. Stop charging if the device becomes unusually hot;

Keep away from heat, fire, water, objects that may cause a short circuit;

Do not use the device if the battery is swollen, leaking, or damaged;

Charge and store the device in a dry, ventilated environment. Avoid extreme temperatures;

Fully charge it before long time storing without using. Do not leave the device unattended while charging;

Dispose of the battery properly according to local regulations.