

Digiwise

Tire Pressure Monitoring System TP100 USER MANUAL



English

Product Overview

The TPMS Tire Pressure Sensor is a Bluetooth Tire Pressure Monitoring System (TPMS) specially designed for bicycles. Utilizing Bluetooth Low Energy (BLE) technology, it provides real-time monitoring of tire pressure and temperature to help ensure a safer riding experience.

Package Contents

- Tire Pressure Sensor × 2
- Lock Nut × 2
- Wrench × 1

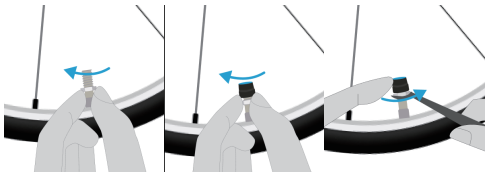
Installation Instructions

Before Installation

- ① Ensure your bicycle uses a Schrader valve.
- ② Check that the tire pressure sensors are in good condition.
- ③ Prepare the included wrench and other necessary tools.

Installation Steps

- ① **Remove the original valve cap:** Turn the existing valve cap counterclockwise and remove it from the bicycle tire valve.
- ② **Install the sensor:** Screw the tire pressure sensor clockwise onto the valve stem, ensuring the threads are properly aligned.
- ③ **Tighten the lock nut:** Use the supplied wrench to tighten the lock nut appropriately. Do not overtighten.
- ④ **Repeat for the second wheel:** Install the second sensor using the same procedure.
- ⑤ **Check for air leakage:** After installation, ensure there is no air leakage.



Operating Instructions

First-Time Pairing

- ① **Activate the device:** The sensor will automatically activate after installation.
- ② **Download the App:** Search for and download the compatible TPMS application from your mobile app store.
- ③ **Bluetooth Pairing:**
 - Enable Bluetooth on your smartphone.
 - Open the TPMS App.
 - Follow the in-app instructions to complete pairing.
- ④ **PSet Parameters:** Configure the appropriate tire pressure range according to your bicycle specifications.

Daily Use

- ① **Real-Time Monitoring:** Open the TPMS App to view real-time tire pressure and temperature data.
- ② **Data Display:**
 - Tire Pressure Range:: 100-3000 kPa
 - Temperature Range: -30°C to +70°C

③**Alarm Function:** The App will automatically issue alerts when tire pressure or temperature exceeds the preset limits.

Technical Specifications

- Operating Voltage: 3V
- Bluetooth Frequency: 2.4GHz
- Response Time: ≤ 5 seconds
- Waterproof Rating: IP67
- Battery Life: 2-3 years
- Weight: 8g $\pm$ 1g

Precautions

Installation Precautions

- ①Ensure the valve stem is clean before installation.
- ②Tighten the lock nut moderately to avoid thread damage.
- ③Always perform a leak check after installation.

Usage Precautions

- ① Avoid strong impacts or crushing forces.
- ② Check the sensor installation regularly (recommended once per week).
- ③ Extreme temperatures may affect measurement accuracy.
- ④ Although the device is waterproof, prolonged immersion is not recommended.

Maintenance

- ① **Cleaning:** Clean the sensor surface regularly with a soft cloth.
- ② **Battery Replacement:** When battery life ends, replacement should be performed by qualified personnel.
- ③ **Storage:** Store the product in a dry environment when not in use for extended periods.

Troubleshooting

Unable to Connect via Bluetooth:

- Verify Bluetooth is enabled on your phone.
- Ensure the sensor battery has sufficient power.
- Restart the App and pair again.

Inaccurate Data:

- Check whether the sensor is securely installed.
- Compare the displayed value with the actual tire pressure.
- Recalibrate if necessary.

Device Not Responding:

- Check whether the battery is depleted.
- Verify that the sensor is not damaged.
- Contact customer support.

Safety Warnings

- ① Do not operate the TPMS App while riding.
- ② Tire pressure data is for reference only; use a calibrated gauge for critical measurements.
- ③ If abnormal tire pressure is detected, stop immediately and inspect the tire.
- ④ This product is intended for bicycles only and must not be used on other vehicles.

For technical support or assistance, please contact customer service.ent for technical support.

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.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.