

User Manual

1. Product Overview

The tire pressure sensor consists of an RF chip, battery, antenna, and RF matching network, with the SATE part number TSB48-S. This sensor is used to monitor tire pressure, temperature, and acceleration, and transmits tire data via a center frequency of 433.92MHz.

2. Operational Functions

Transmitter ID Programming: The transmitter ID can be programmed for easy replacement.

Standard Pressure Programming: The standard pressure for each tire can be set on the monitor.

3. Product Features

Powerful functions, including 3-level low-pressure alarms, fast leak alarm, and standard pressure settings.

The monitor is connected to a continuous power supply to ensure full-time monitoring.

The entire system is perfectly matched with passenger vehicles.

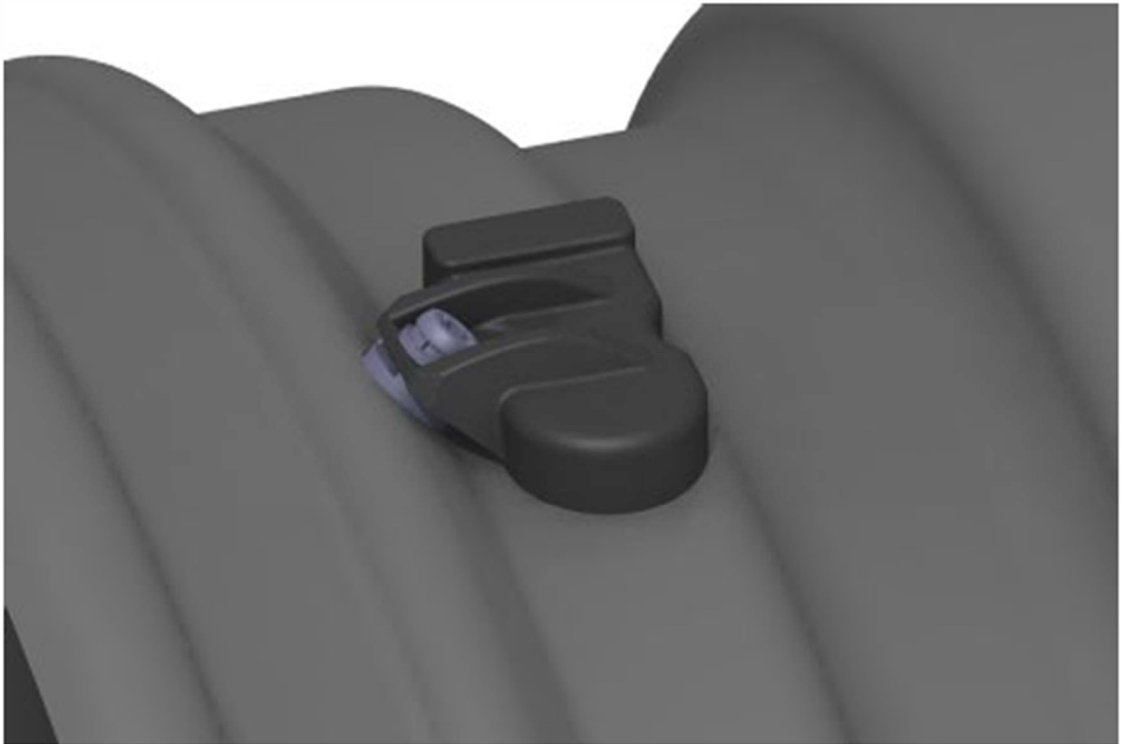
Simple operation for function programming and inquiries.

4. Operating Conditions

Input Pressure Range	0kpa-1400kpa
Supply Voltage	3V
Operating Temperature	-40°C ~ 125°C
RF Frequency	433.92MHz

5. Installation Structure





6. Installation Structure

Installation torque:12-15N.m



Tires must undergo dynamic balance testing and adjustment.

Federal Communications Commission (FCC) Compliance Statement for the USA

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

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 residential installations. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it 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 the receiver.
- Connect the equipment to 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.

RF Exposure Warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This product must not be collocated or operated in conjunction with any other antenna or transmitter.

CE Marking Interference Statement

The CE marking indicates that this product complies with the essential requirements of the relevant European Union (EU) directives and regulations. However, it is important to note that the presence of the CE marking does not guarantee that the product is completely free from interference in all operating environments.

Interference Considerations:

1. Electromagnetic Compatibility (EMC):

Products bearing the CE marking have been tested and assessed for electromagnetic compatibility, ensuring they do not emit excessive electromagnetic interference and are sufficiently immune to interference from other devices. Nevertheless, in certain environments with high levels of electromagnetic activity, some degree of interference may still occur.

2. Operating Conditions:

The performance of the product may be affected by external factors such as power supply fluctuations, proximity to other electronic devices, or environmental conditions (e.g., temperature, humidity). Users should ensure the product is used in accordance with the manufacturer's guidelines to minimize potential interference.

3. Mitigation Measures:

If interference is observed, users are advised to take appropriate measures, such as relocating the device, using shielded cables, or installing additional filtering equipment, to reduce the impact of interference.

4. Compliance with Standards:

While the CE marking signifies compliance with EU standards, it does not imply immunity to all forms of interference. Users should refer to the product documentation for specific information on its operational limitations and compatibility with other systems.

In summary, the CE marking confirms that the product meets EU regulatory requirements, but users should be aware of potential interference issues and take necessary precautions to ensure optimal performance.