User Manual

1. General Description

Tire pressure sensor is composed of RF chip, battery, antenna and Rf matching network and SATE part number is TSB55. It is applied to monitor tire pressure, temperature and acceleration and the tire data is transmitted via center frequency 315/434MHz.

2. Operation Functions

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

Standard Pressure Programming: standard pressure for each tire can be programmed on monitor

3. Product Features

Powerful functions including low pressure alarms in 3 levels, fast leak alarm and standard pressure setting etc.

Monitor connects to continuous power to ensure full-time monitoring

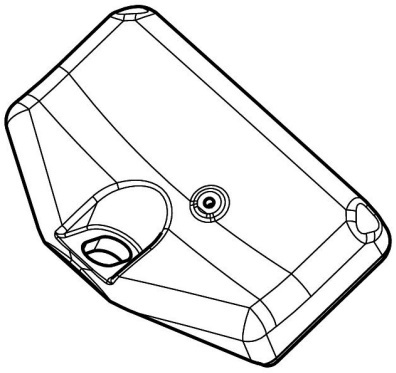
Design of the whole system matches the truck perfectly

Simple operation for function programming and inquiry

4. Operating condition

Input Pressure Range	0 kPa – 1300kPa
Supply Voltage	2.1 V - 3 V
Operating Temperature	-40℃ - 105℃
RF Frequency	Both 315 MHz and 434 MHz

5. Installing structure



The sensor is used in conjunction with the valve stem, and together they are

mounted on the vehicle's wheel hub for the purpose of monitoring tire pressure.

Tires must do dynamic balance testing and adjusting.

Federal Communications Commission (FCC) Compliance Statement for 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 this 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 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.

RF Exposure Warning

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

CE Marking Interference Statement

The CE marking indicates that the 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 that 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 that 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.

Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device Le present appareil est conforme aux CNR d’Industrie Canada applicable aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes:

1. l’appareil ne doit pas produire de brouillage;

2. l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, meme si lebrouillage est susceptible d’en compromettre le fonctionnement.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d’exposition aux rayonnements IC établies pour un environnement non contrôlé.