

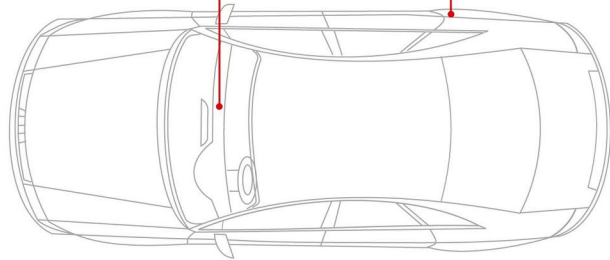
A TPMS system designed for OEM customers with safety and fashion, meet customer satisfaction

Car OEM

1309P05

Tire Pressure Monitoring System

Car OEM



General Description

TPMS1309P05 is an OEM model designed for Shanghai Volkswagen, consisting of display, receiver and transmitter.

Product Functions

Alarm Functions

- 🔥 **High Temperature Alarm** issued when tire temperature exceeds 75°C
- P1 **Low Pressure Level 1 Alarm** issued when tire pressure is 12.5% lower than the standard pressure
- P2 **Low Pressure Level 2 Alarm** issued when tire pressure is 25% lower than the standard pressure
- P3 **Low Pressure Level 3 Alarm** issued when tire pressure is 50% lower than the standard pressure
- P **High Pressure Alarm** issued when tire pressure is 25% higher than the standard pressure
- 🚗 **Fast Leak Alarm** issued when pressure inside the tire drops more than 3psi within 12s
- 🔧 **Transmitter Trouble Alarm** issued when transmitter fails to work or there is RF interference

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

Tire Rotation on Display: when rotate tires, no need to detach transmitters from the tires, re-set their positions on the monitor can complete the rotation of transmitters

Product Features

- ◆ Perfect structure and appearance design, well match the mainstream interior style of cars
- ◆ Powerful functions including low pressure alarm, high pressure alarm and fast leak alarm etc
- ◆ Display can be embedded into instrument and integrate with car body
- ◆ Connect to continuous vehicle power to ensure full-time monitoring
- ◆ Flat transmitters suitable for various wheel rims
- ◆ Easy installation, suitable for assembly line of the manufacturer

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Parts

Display

- ◆ Display embedded into car instrument, match car interior decoration perfectly
- ◆ Connect to continuous vehicle power to ensure full-time monitoring
- ◆ Easy button operation
- ◆ Blue backlight well matches the instrument

Input Voltage: DC 5V
Operating Temperature: $-30^{\circ}\text{C}\sim+75^{\circ}\text{C}$
Dimension: 49.5x32x43mm



Transmitter

- ◆ Flattened design for application on various wheel rims
- ◆ High-performance material ensures excellent moisture proof, anti-vibration and weather proof feature
- ◆ Outstanding function for real-time monitoring of pressure and temperature
- ◆ Quick response with alarm to improper tire pressure condition
- ◆ With receiving and transmitting, realize two-way communication

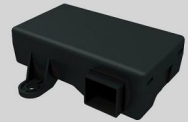
Mid-frequency: 433.92MHz
Transmitting Power: -20dBm
Pressure Monitoring Range: $0\sim 8\text{bar}/0\sim 116\text{psi}$
Pressure Monitoring Precision: $\pm 0.1\text{bar}/\pm 1.5\text{psi}$
Operating Temperature: $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$
Battery Life: 10 years
Dimension: 75x63x19.5mm



Receiver

- ◆ Small and compact body for installation at any position
- ◆ Connect to continuous vehicle power to ensure full-time monitoring
- ◆ Powerful function can promptly process data and make judgement
- ◆ Issue an alarm quickly of improper tire pressure and temperature condition inside the tire

Mid-frequency: 433.92MHz
Receiving Sensitivity: -105dBm
Input Voltage: DC 12V
Operating Temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
Dimension: 84x77x29mm

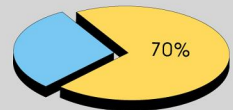


Benefits of Car OEM Business to Manufacturers

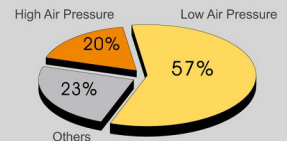
- ◆ Enhance safety performance of the car, reflect the company culture of caring of life
- ◆ Enhance existing security system on the car, improve high-tech content of the car
- ◆ Comply with Europe and US safety standards on vehicle tires, an advantage for export business of domestic car manufacturer
- ◆ Highlight car manufacturer's advantages in fierce market competition, increase product competitiveness
- ◆ Reduce fuel consumption and pollution of exhaust gas to air, reflect social responsibility from the manufacturer

Benefits of Car TPMS to Customers and Society

- ◆ Prevent tire bursting, reduce hidden danger on tire safety
- ◆ Reduce tire wear, extend tire life
- ◆ Reduce fuel consumption and lower vehicle operation costs for the enterprise
- ◆ Reduce pollution of exhaust gas to the environment, promote environmental protection
- ◆ Reduce the non-normal wear and tear of vehicle shock absorber, suspension parts and other related parts
- ◆ Keep tires under normal pressure, improve ride comfort of vehicles
- ◆ Maintain normal braking effect, reduce occurrence of accidents



▲ Traffic accidents caused by tire bursting



▲ Tire bursting factors