

Full OEM type design,
Interpretation of aesthetic feeling
and utility

Truck OEM

1509R

Tire Pressure Monitoring System

Truck OEM



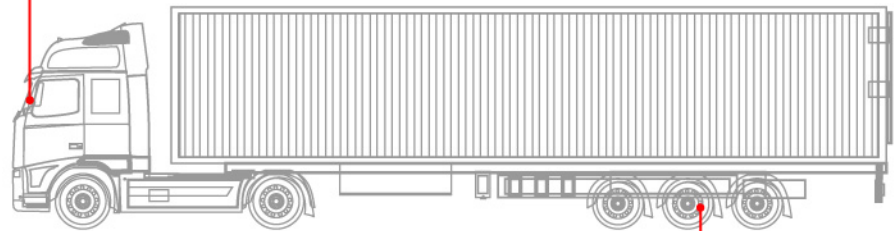
Monitor Installation



System Group Parts



Transmitter Installation



General Description

TPMS1509R is designed for OEM which is suitable for various mid-sized trucks and heavy trucks, including container carrier truck, semi-trailer and cargo trailers and other vehicles, including the DIN-slot monitor, screw-on transmitters and booster.

Product Functions

Alarm Functions

- High Temperature Alarm** issued when tire temperature exceeds 90°C
- Low Pressure Level 1 Alarm** issued when tire pressure is 5% lower than the standard pressure
- Low Pressure Level 2 Alarm** issued when tire pressure is 10% lower than the standard pressure
- Low Pressure Level 3 Alarm** issued when tire pressure is 15% lower than the standard pressure
- 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

Alarm Record Inquiry: automatically record the latest 10 alarm records

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

Pressure and Temperature Unit Selection: pressure and temperature unit can be selected

Product Features

- ◆ The monitor is embedded into the DIN slot for electronic device, well fit truck interior style and becomes an independent terminal display system
- ◆ All tire information can be displayed on the large LCD screen for driver's view
- ◆ Various functions including Fast Leak Alarm, Low Pressure Alarm in three levels etc
- ◆ Easy installation, suitable for assembly process of the manufacturer
- ◆ Booster available upon customer request
- ◆ Simple component, easy maintenance

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Parts

Monitor

- ◆ Perfect DIN-slot monitor
- ◆ Large LCD digital screen, displaying mass information in turn
- ◆ Beautiful and practical, monitor matches with interiors of truck perfectly
- ◆ Buttons are sensitive and easy to operate. Settings and inquiry function are complete
- ◆ Elegant color screen, non-glare, the data can be visible clearly

Mid-frequency: 434.1MHz
Receiving Sensitivity: -105dBm
Input Voltage: DC 12V /24V
Operating Temperature: -30℃~+75℃
Dimension: 190x60x55mm



Transmitter

- ◆ External transmitters, beautiful appearance and easy to install
- ◆ Durable high-strength material, resistant to high pressure and high temperature
- ◆ Water-proof, resistant to oil, dust and other harsh environments
- ◆ Monitor tire pressure accurately and response rapidly
- ◆ Through security lock, transmitters are installed firmly

Mid-frequency: 434.1MHz
Transmitting Power: 0dBm
Pressure Monitoring Range: 0~13bar/0~188psi
Pressure Monitoring Precision: ±0.15bar/±2psi
Operating Temperature: -40℃~+125℃
Battery Life: 4~5 years
Dimension: \varnothing 27.5x32.5mm



Smart Booster

- ◆ Standard booster is easy to install
- ◆ Users can choose whether to install according to the vehicle type

Mid-frequency: 434.1MHz
Receiving Sensitivity: -105dBm
Transmitting Power: 0dBm
Input Voltage: DC 12V /24V
Operating Temperature: -40℃~+85℃
Dimension: 203x123x51mm

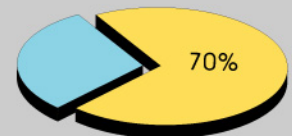


Benefits of Truck OEM Business to Manufacturers

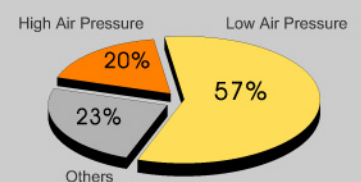
- ◆ Enhance safety performance of the truck, reflect the company culture of caring of life
- ◆ Enhance existing security system on the truck, improve high-tech content of the truck
- ◆ Comply with Europe and US safety standards on vehicle tires, an advantage for export business of domestic truck manufacturer
- ◆ Highlight bus 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 Truck TPMS to Customers and Society

- ◆ Prevent tire bursting, reduce hidden danger on tire safety
- ◆ Reduce tire wear, extend tire life and lower vehicle operation costs on accessories for logistics enterprises
- ◆ Reduce fuel consumption and lower operation costs for the enterprise
- ◆ Reduce pollution of exhaust gas to the environment, promote environmental transportation, enhance corporate image



▲ Traffic accidents caused by tire bursting



▲ Tire bursting factors