

With a Smart booster, identification between truck and trailer can be instantly completed, perfectly combine satisfaction and technology

After market

# 1209T03

Tire Pressure Monitoring System

After Market



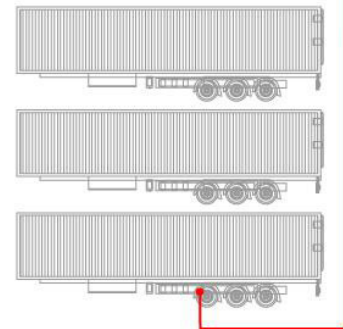
Monitor Installation



System Group Parts



Transmitter Installation



## General Description

TPMS1209T03 is designed for container carrier truck, dump truck, semi-trailer and cargo trailers etc. The system consists of a monitor with large LCD, smart booster, hand tool and screw-on transmitters, ideal for logistics enterprises or truck fleets.

## Product Functions

### Alarm Functions

- High Temperature Alarm** issued when tire temperature exceeds 90°C
- Low Pressure Level 1 Alarm** issued when tire pressure is 12.5% lower than the standard pressure
- Low Pressure Level 2 Alarm** issued when tire pressure is 25% lower than the standard pressure
- Low Pressure Level 3 Alarm** issued when tire pressure is 50% 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
- Hook-up or Drop Trailer:** to match trailer transmitters with in-cab monitor

## 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
- ◆ Monitoring up to 38 wheels
- ◆ Equipped with a smart booster to ensure long-distance communication
- ◆ Hand tool and smart booster can communicate, to match trailer transmitters with in-cab monitor
- ◆ Simple operation for function programming and inquiry



Qualitätsmanagement

Wir sind zertifiziert

Regelmäßige freiwillige Überwachung nach ISO 9001:2008



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## Parts

### Monitor

- ◆ Monitor with industry design, match the interior decoration perfectly
- ◆ Alarm issued in audio and visual etc, can be noticed even in noisy environments
- ◆ Adjustable LCD display view angle
- ◆ Large LCD to display pressure or alarm information
- ◆ White LCD backlight for easy screen view
- ◆ Reasonable button layout for easy programming and inquiry of functions
- ◆ Connect to continuous to ensure full-time monitoring

Mid-frequency: 434.1MHz  
Receiving Sensitivity: -105dBm  
Input Voltage: DC 12V /24V  
Operating Temperature: -30℃~+75℃  
Dimension: 173x102x53mm



### Transmitter

- ◆ Screw-on transmitters, beautiful appearance and easy to install
- ◆ High-strength material, wear-resistant and resistant to high pressure and high temperature
- ◆ Water-proof and resistant to oil and dust etc
- ◆ High precision monitoring of tire pressure and quick response
- ◆ Security lock for safe use
- ◆ Large pressure monitoring range with high precision

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: ∅ 27.5x32.5mm



### Smart Booster

- ◆ Smart booster for long-distance communication
- ◆ Hand tool and smart booster can communicate, to match trailer transmitters with in-cab monitor
- ◆ Connected with continuous vehicle power, ensure full-time monitoring
- ◆ High-performance material, anti-vibration, water-proof and resistant to dust etc

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



### Hand Tool

- ◆ Light and portable design
- ◆ Humanization design, single-hand operation
- ◆ Reasonable button layout, easy for programming and inquiry of functions
- ◆ Easy menu operation

Mid-frequency: 434.1MHz  
Receiving Sensitivity: -95dBm  
Transmitting Power: 0dBm  
Input Voltage: DC 9V  
Operating Temperature: -30℃~+75℃  
Dimension: 210x110x30mm

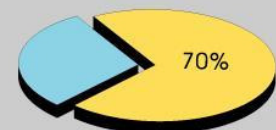


### Benefits of TPMS to Customers

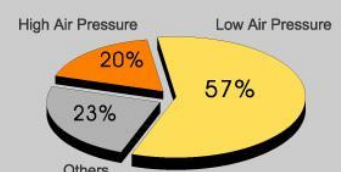
- ◆ Prevent tire bursting, reduce hidden danger on tire safety
- ◆ Reduce tire wear, extend tire life
- ◆ Reduce fuel consumption and lower vehicle operation costs for the enterprise
- ◆ Reduce pollution of exhaust gas to the environment, promote environmental protection
- ◆ Reduce the non-normal wear 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

### Benefits for Distributors

- ◆ Enlarge the product ranges, enrich types of products of profitability
- ◆ Highlight the business sense of distributing automobile accessories, upgrade the level and image of store
- ◆ Enhance corporate brand image on safety and driving comfort



▲ Traffic accidents caused by tire bursting



▲ Tire bursting factors