

# TirePulse™ PMS-2000

Tire Pressure Monitoring System

## **USER'S MANUAL**



INSUNG ELECTRONICS

The manufacturer reserves the right to change the contents of this manual at any time without prior notice. The information contained in this manual is proprietary and must not be reproduced without prior consent from the manufacturer.

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Tire Pressure Monitoring System

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## Notice

### ▶ FCC NOTICE

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.

**Caution** : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Sensor FCC ID : SE4PMS2000-STU  
Repeater FCC ID : SE4PMS2000-RPT  
Display FCC ID : SE4PMS2000-RDU

Tire Pressure Monitoring System

**TirePulse**  
PMS-2000

## Chapter 01

### Before using

Congratulations to your purchase of INSUNG Electronics Tire Pulse Monitoring System PMS-2000.

As one of the most advanced automobile tire pressure monitoring system available, Tire Pulse PMS-2000 is an invaluable addition to your vehicle to enhance your driving safety.

On driving, insufficiency of tire pressure occur standing wave phenomenon, making tire burst and cause a car accident.

With its state-of-the-art wireless technology and precision pressure-sensing and computing instruments, PMS-2000 automatically monitors your vehicle tires while you are driving, and immediately alerts you of lower than normal tire pressure, thereby providing timely warnings to you to take corrective action. In addition, PMS-2000's digital display makes tire pressure maintenance easy.

you no longer need to manually check your tires with a pressure gauge. Consequently, your tires can easily be kept in an optimal operating condition. The resulting benefits are obvious: reducing uneven tire wear, reducing severe tire damages, reducing air loss related tire failures, increasing tire life, improving fuel economy, and improving vehicle braking and handling. Best of all, PMS-2000 helps you to drive with a safer vehicle on the road, and with less worry of flat tires and blowouts.

INSUNG Eletronics makes every effort keeps efforts for your safety driving.

## 1-1. Product Specification

The PMS-2000 consists of a Multifunction Display which sets easily and LED receiver which are conveniently monitoring a tire's condition within easy view. This display helps a driver check every tire's information. Wheel mounted sensor/transmitters inside each tire measure contained air pressure and temperature and transmit this data to the receiver. Sensor regularly monitors the pressure and temperature of a tire and give precision information. The receiver with Multifunction Display displays the location and/or value of any detected abnormal tire pressure or temperature, alerting the driver at preset limits. The Display also provides convenient fingertip access to viewing the pressure, temperature and pressure deviation of each tire. Repeater is an additional advantage of PMS-2000. In special and a large size vehicle, driver can recognize precision information through repeater in case of that receiver cannot receive information from transmitter for far distance.

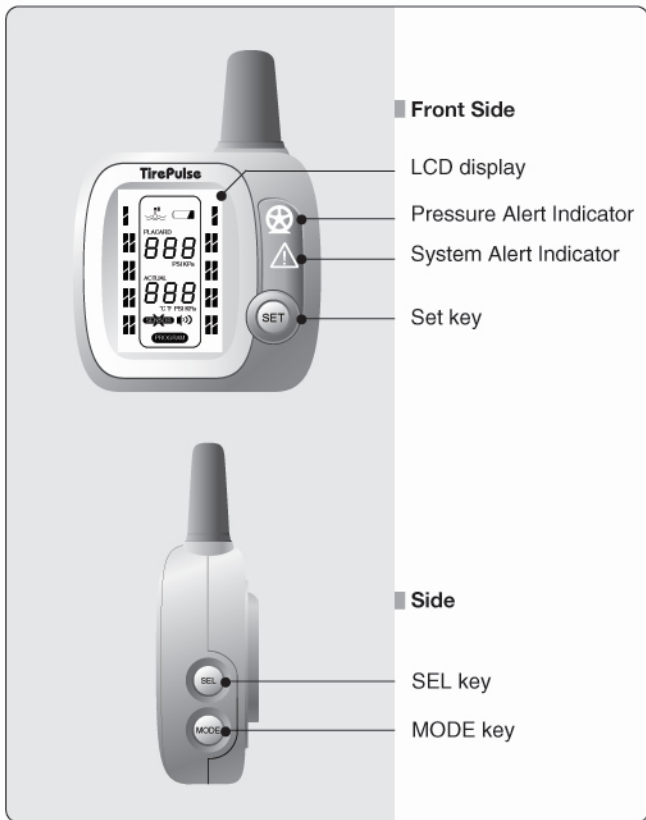
This product is designed and manufactured according to INSUNG Electronics strict standard and international quality standard. This is produced by quality test of temperature, moisture, and shock. All of these make big help for driver's safety driving.

## 1-2. Components Part List

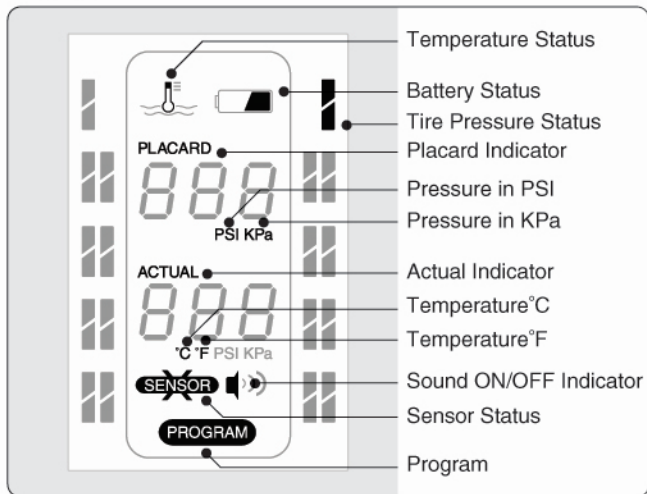
Sensor Transmitter Module	Repeater Repeater Module	Display Receiver Module
		
6 EA	1 EA	1 EA
Sensor Wheel Band	Ass'y Power Cable	Display Bracket
		
1 EA	2 EA	1 EA

### 1-3. Components Part Name and Function

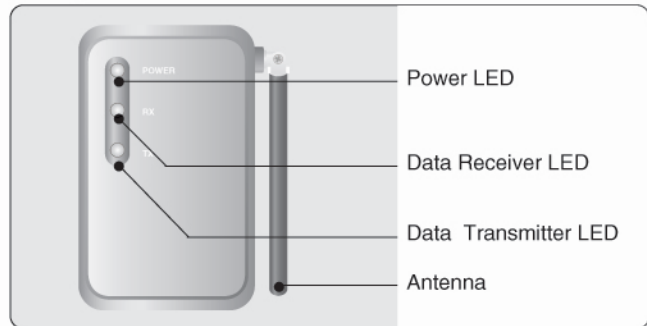
#### ► Sensor



#### ► LCD



#### ► Repeater



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PMS-2000

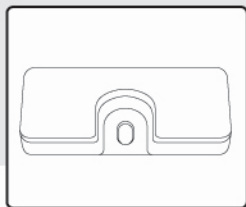
## Chapter 02

# Technical specification

### 2-1. Sensor

#### Transmitter Module

Sensor regularly monitors the pressure and temperature of a tire and give precision information.

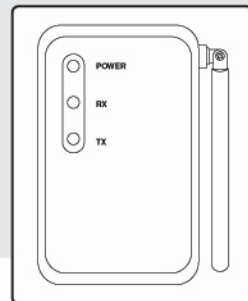


No	Description	Specification
1	Mode of Transmission	ASK
2	Center Frequency	433.92 MHz
3	Ambient Temperature	-40° C ~ +125° C
4	Measuring Pressure	0 ~ 185 psi (trimmed at 72 ~ 135 Psi) 0 ~ 1275 kPa (trimmed at 500 ~ 930 kPa)
5	Dimension (W·H·D) (mm)	69 × 37 × 17 mm
6	Weight	27 g
7	Battery Life	7-Years in normal condition

### 2-2. Repeater

#### Repeater Module

Repeater is an additional advantage of PMS-2000. In special and a large size vehicle, driver can recognize precision information through repeater in case of that receiver cannot receive information from transmitter for far distance.



No	Description	Specification
1	Mode of Transmission	ASK
2	Center Frequency	433.92 MHz
3	Ambient Temperature	-20° C ~ +85° C
4	Receiver Sensitivity	-108 dBm typical
5	Dimension (W·H·D) (mm)	60 × 90 × 18 mm
6	Weight	60 g
7	Operating Voltage	DC 12V (Cigar Jack)



caution

Use of the PMS-2000 requires that it has been properly installed by qualified personnel according to the instructions here. If unapproved installation or changes cause trouble, our company don't take responsibility for A/S.