Datasheet

T-1000A

(for I-type & X-type)

30 Oct 2006

TPMS Tire Pressure Monitoring System

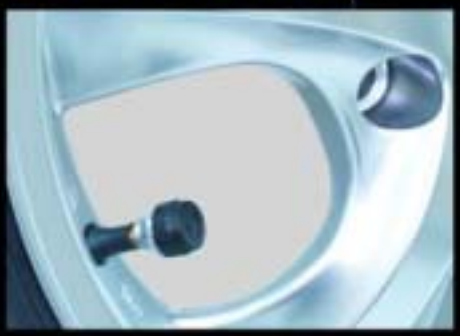
Ensure the safety of vehicle driving

(real size)

Cutting Edge

No tooling
Wireless design
Real time tire pressure figures display

Wireless



Unique Features

DIY installation

No tooling requires, you need only screw the sensors onto the tires' valve stems to take place of the valve caps.

LCD display

All the tires' pressure figures will be shown on the LCD screen and the LCD power can use the vehicle battery or normal batteries.

Highly sensitive tire pressure display

Electronic tire pressure detection. Detection precision+ - 1psi .

Transmission status display

Auto transmission status detection while vehicle is powered on .

Main Functions

Ensure safety of vehicle driving.
Reduce fuel consumption.
Extend tires' lives.
Real time monitoring tires' pressures.

T -1000A

Contents

Tyredog TPMS System

T- 1000A Series
X-type and I-type
(X: eXternal sensor design I: Internal sensor design)

The T-1000A TPMS series provides pure TPMS systems to help customers to deploy in less than 5 minutes. Drivers can monitor tyre temperature and pressure in a real time manner.

General Features

- Alerts when tyre pressure drops below/ raises above recommended level
- Alerts when tyre temperature raises above recommended level
- Provide graphic user interface
- Monitoring tyre pressure anytime
- Expands tyre lifespan
- Saves fuel consumption
- Improves safety
- Detects leakage before harm is done
- Easy to install (X-type)
- High accuracy
- Not affected by bumpy roads
- Allows user preset value

Technical Specifications

Sensor

Operation Environment

- Operating temperature range -30℃ to 145℃
- Storage temperature range -40℃ to 145℃
- Operating humidity 100%
- Shock >500G

Power

- Sensor is equipped with battery
- I -type CR2450 3V

- X-type CR1632 3V
- Battery life
  - I- type 5 to 8 Years
  - X-type 2 to 5 Years

Dimensions

- Weight
  - I- type 25g +- 1 g (includes valve stem)
  - X-type 11g +- 1 g
- Size
  - I- type
    - Length 29 mm
    - Width 29 mm
    - Height 10 mm
  - X-type
    - Diameter 18.5 mm
    - Height 20 mm

Receiver

Operation Environment

- Operating temperature range -30℃ to 85℃
- Storage temperature range -40℃ to 105℃
- Operating humidity 100 %

Power

- Power Required 12V DC (Mini DC jack) or Battery DC 3V
- Battery Life 2Years (4hr/day)
- Battery type AAA 1.5V (x2)

Dimensions

- Weight 76.6 g
- Size
  - Length 91 mm
  - Width 75 mm
  - Height 22 mm
- LCD View size

- Length 63 mm
- Width 45.5 mm

System

- System frequency at 433.92MHz / 315MHz
- Sensor pressure range 0-60 psi
- Sensor pressure accuracy ± 0.5 psi
- Sensor temperature accuracy ± 2℃
- Low power consumption
- Transmission length 10m to 20 m
- Receiver sensitivity is -117dBm

Emissions

- FCC Comply with part 15,Class B
- CE

A simply smart approach to having TPMS system

The T-1000A supports four tyres and users can install this system without any technical boundary and time-consuming. Friendly-graphic interface of LCD monitor is to guide drivers understand the status of tyres and maintain car in a safe condition.

Installation

- No more TPMS system could be easier than T-1000A
- The system fully considering other products' shortcomings from procedure of installation and keep TD-1000A settled in less than five minutes

Management

- Powerful graphical user interface for rapid understandings of tyre status.
- Real-time monitoring is also achieved to allow users to get information immediately
- When start engine to remind driver TPMS is ready

Reliability and Robust

- All sensors (X-type) are locked with special tool

- All major components are changeable in the very unlikely event of defect or damage, so downtime is minimal
- Strict environmental test has approved its lifespan can last for up to 10 years
- Provides signal accessibility by providing peripheral signal integrity technology
- Receiver has fuzzy to learn IDs from original sensors and spared sensors

- Extremely lightweight, tiny size and special mechanical design of sensor have won TD-1000A the best TPMS system in this industry