INFITARY TP880

INFITARY Solar TPMS Tire Pressure Monitoring System User Manual

Model: TP880

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your INFITARY Solar TPMS (Tire Pressure Monitoring System) Model TP880. This system is designed to monitor your vehicle's tire pressure and temperature in real-time, enhancing driving safety and extending tire lifespan. Please read this manual thoroughly before using the product.

Product Components

The INFITARY Solar TPMS package includes the following items:

- 1x Solar Car TPMS Monitor
- 4x External Wireless Sensors
- 1x USB Cable
- 4x Screw Rings (Anti-theft nuts)
- 1x Plastic Cover
- 1x Plastic Ring
- 1x English Instruction Manual (this document)



Figure 1: INFITARY Solar TPMS monitor and four external tire pressure sensors. The image displays the main monitor unit with a solar panel and LCD screen, along with four individual external sensors labeled for Front Right (F.R), Front Left (F.L), Rear Right (R.R), and Rear Left (R.L) tire positions.

Specifications

Monitor Specifications:

Display: LCD

Working Temperature: -20°C to 75°C

Storage Temperature: -30°C to 80°C

Voltage: 3.7-5V

Current: <3mA

RF Transmission Frequency: 433.92MHz ± 50KHz

RF Signal Reception Sensitivity: -90dBm

Sensor Specifications:

Battery Model: CR1632 (Changeable)

Battery Life: ≥2 Years

Working Temperature: -30°C to 80°C

Storage Temperature: -35°C to 85°C

Pressure Range: 0-3.5 bar (0-50psi)

Working Pressure: 0-99Psi

Accuracy: ±1.5Psi

IP Rating: IP67 (Waterproof and Dust-proof)

Power: <10dBm

Frequency: 433.92MHz

Dimension: ≤21mm (diameter) * 17mm (height)

Setup and Installation

Monitor Placement:

Place the TPMS monitor on your vehicle's dashboard in a location where it receives sufficient sunlight for solar charging and is easily visible to the driver. Ensure it does not obstruct your view of the road.

Sensor Installation (External Sensors):

Follow these steps carefully to install the external sensors on your tires:

1. Ensure the TPMS monitor is powered on before beginning sensor installation.
2. Identify the corresponding sensor for each tire position (Front Right, Front Left, Rear Right, Rear Left).
3. Remove the cap from the tire valve. Verify that the top of the valve stem is smooth and free from damage to prevent air leakage.
4. Screw an anti-theft nut onto the valve stem in a clockwise direction. Do not tighten it yet.
5. Install the corresponding sensor onto the valve stem by screwing it clockwise. Do not overtighten to avoid damaging the sensor.
6. Apply a small amount of soapy water or foam around the valve stem and sensor connection to check for any air leakage. Ensure there are no bubbles indicating a leak.
7. Once no leakage is detected, use the provided wrench to tighten the anti-theft nut against the sensor in the reverse (counter-clockwise) direction. Hold the sensor firmly with one hand while moderately tightening the nut with the wrench to secure the sensor in place.
8. Repeat these steps for all remaining sensors.

Note: A video guide for installation and operation may be available by scanning a QR code provided with the product.

Operation

Display Information:

The LCD display on the monitor shows real-time tire pressure and temperature for all four tires simultaneously. A car icon on the display indicates the tire positions.

Units Selection:

The system supports two pressure units (PSI, BAR) and two temperature units (°C, °F). Refer to the monitor's buttons for instructions on how to switch between these units.

Tire Position Exchange:

The system supports a tire position exchange function, allowing you to re-assign sensors to different tire positions on the display if tires are rotated. Consult the monitor's specific button functions for this procedure.

Alarm Functions:

The system provides automatic visual and sound alarms when tire pressure or temperature deviates from preset safe ranges. Alarms update within 3 seconds of detecting an abnormality. This feature is crucial for ensuring driving safety.

Maintenance

Monitor Charging:

The monitor is primarily powered by its large solar panel. For situations with insufficient sunlight, it can also be charged via the provided USB cable through its USB port.

Sensor Battery Replacement:

Each external sensor uses a replaceable CR1632 battery, which typically lasts for 2 years or more. To replace a sensor battery:

1. Unscrew the sensor from the tire valve stem.
2. Carefully open the sensor casing.
3. Remove the old CR1632 battery and insert a new one, ensuring correct polarity.
4. Close the sensor casing securely and re-install it on the tire valve stem following the installation steps.

Refer to product documentation or online resources for specific visual guides on battery replacement.

Troubleshooting

If you encounter issues with your INFITARY Solar TPMS, consider the following common solutions:

- **No Signal from Sensor:** Ensure the sensor is correctly installed and tightened. Check if the sensor battery needs replacement. Drive the vehicle for a short distance to activate sensors.
- **Inaccurate Readings:** Verify that the sensors are installed on the correct tire positions. Ensure tires are inflated to the recommended pressure using a calibrated gauge for comparison.
- **Monitor Not Powering On:** Check if the monitor has sufficient charge. Place it in direct sunlight for solar charging or connect it via USB cable.
- **Leakage After Installation:** Re-check sensor installation steps, especially the anti-theft nut tightening. Ensure the valve stem is not damaged.

For persistent issues, contact customer support.

Safety Information

- Do not attempt to disassemble or repair the monitor or sensors yourself, except for battery replacement.
- Ensure sensors are securely tightened to prevent detachment during driving.
- Always check tire pressure with a reliable manual gauge periodically, even with the TPMS installed.
- Do not let the TPMS distract you while driving. Always prioritize road safety.
- Keep batteries out of reach of children.

Warranty and Support

INFITARY products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official INFITARY website. Please retain your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question