Oricom
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TPS10-4E - With 4 Sensors
TPS10-6E - With 6 Sensors

Solar Powered Tyre Pressure Monitoring System

TPMS
User Guide

Pack Includes

LCD Display

Sensor **X4 or X6**

Washers **x5 or x7**
(1 spare)

Nuts **x5 or x7**
(1 spare)

Dustproof cover **X4 or X6**

Anti-slip mat **X1**

Sensor tool **X1**

Spanner **X1**

Ensure that these parts are stored safely.

Product Overview
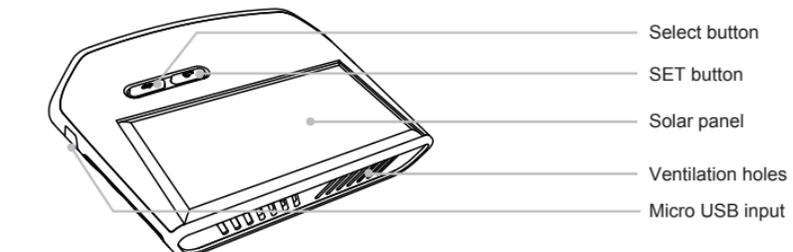
Select button
SET button
Solar panel
Ventilation holes
Micro USB input
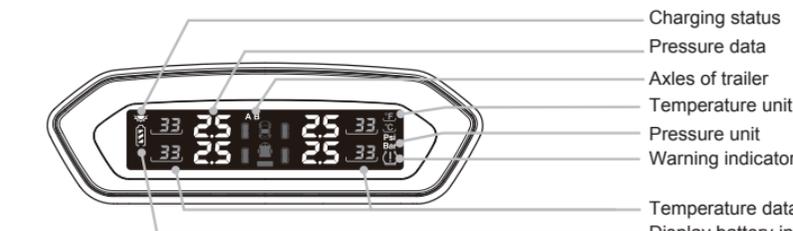
Charging status
Pressure data
Axles of trailer
Temperature unit
Pressure unit
Warning indicator
Temperature data
Display battery indicator

Tow vehicle interface
Trailer interface
Spare interface

Display ON/OFF

Press any button for 3 seconds to turn on the display.
Press " ⇨ " button for 3 seconds to turn off the display.

Display installation

Installation position

● Place the anti-slip mat under the display
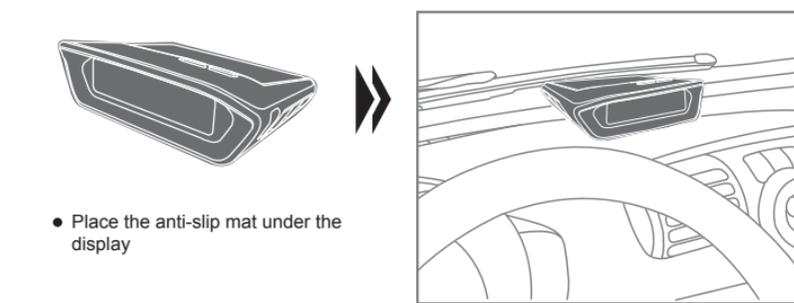
USB charging connection

Micro USB Plug
USB charger (Not included)

Sensor position

F.L.   F.R.   A1   A2   S1   S2

R.L.   R.R.   A3   A4

F.R. R.R. A2 A4
F.L. R.L. A1 A3

Note: Typical sensor position as per diagram to the left.
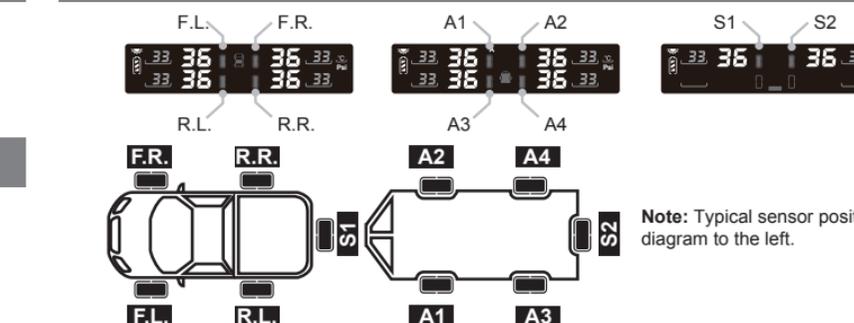
Sensor installation

1.Unscrew the valve cap

2.Insert the dustproof cover into the valve stem

3.Screw in the nut

4.Screw on the sensor

5. Tighten up the nut to the sensor by using the spanner

6. Check air leakage by spraying soapy water

## Sensor battery replacement

1.Unscrew the nut

2.Unscrew the sensor

3.Take out the washer

4.Unscrew the sensor cover by using the sensor tool

5.Replace the battery

6.Repeat steps in "Sensor installation"

Functional test after installation

Display will show real time tyre data automatically when the speed is over 25km/h (15.5MPH)

>25km / h

km/h
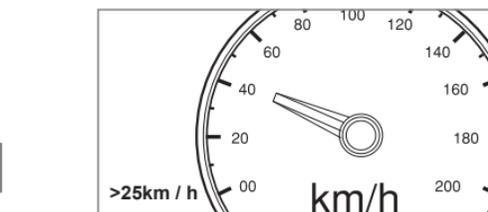
Installation is complete when all tyre data has been received and is showing on the display.

Sensor programming(All sensors in package are preprogrammed)

⚠ When programming a new sensor or a missing sensor to the display.

Press " 🔧 " button 5 times, the display will beep once and enters programming mode.
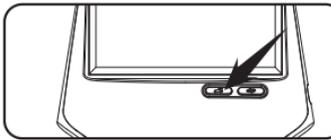
2. To select the tyre position:
a. Press and hold " 🔧 " button and press "➡" button briefly to select the interface. (Interface sequence: Tow vehicle → Axle A of Trailer → Axle B of Trailer → Spare tyre)
b. Then press "➡" button to select the desired tyre.

3. Screw the new sensor to the corresponding tyre position.

4. The tyre data will be shown on the display, then press " 🔧 " button once to save the data.

5. Press " ➡ " button to select the next sensor position.

6. After the sensors are programmed, press " 🔧 " button for 4 seconds to exit the programming mode.

Alerts

Normal	🔇
High temperature	🔊 Bi-Bi-Bi-
Air leakage	🔊 Bi-Bi-Bi-
Sensor low battery	🔊 Bi-Bi-Bi-Bi-Bi-
Low pressure	🔊 Bi-Bi-Bi-
Sensor failure	🔊 Bi-Bi-Bi-Bi-Bi-
High pressure	🔊 Bi-Bi-Bi-
Display low battery	🔇
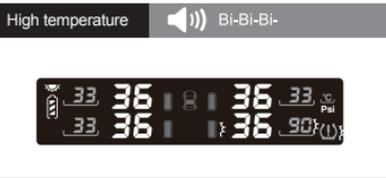
Function settings

Enter/Exit the setting mode

Press " 🔧 " button for 4 seconds to enter the setting mode, a beep will sound.

Press " 🔧 " button for 4 seconds to exit the setting mode two beeps will sound.

The setting sequence is as below:

Pressure unit → Temperature unit → Time interval of each interface
Tyre data deletion
Disable/enable trailer and spare tyres → High pressure value
High temperature value → Low pressure value
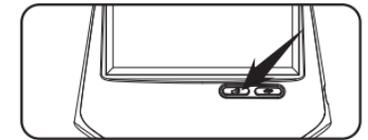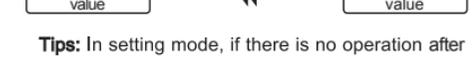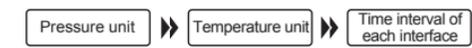
Tips: In setting mode, if there is no operation after 3 minutes, the system will exit automatically and return to normal mode.

Pressure unit setting:
In pressure unit setting page, press " ➡ " button to select the pressure unit, then press "➡" button once to save and move to the next setting.

Temperature unit setting:
In temperature unit setting , press " ➡ " button to select the temperature unit, then press " 🔧 " button once to save and move to the next setting;

Time interval setting of each interface:
In time interval setting page, press "➡" button to set the time interval of each interface, then press " 🔧 " button once to enter the next setting.

Time intervals: 5 / 10 / 20 / 30 / 60 / OFF
Default: 5 seconds

High pressure value setting:
In high pressure value setting page. Press and hold"➡"button. and press 🔧"button once to select the interface (car or trailer) then press the "➡"button to set the high pressure value of the current interface.

press"➡"button once to enter the next setting.

Low pressure value setting:
In low pressure value setting page. Press and hold"➡"button. and press 🔧"button once to select the interface (car or trailer) then press the "➡"button to set the high pressure value of the current interface.

press"➡" button once to enter the next setting.

High temperature value setting:
In high temperature value setting page. Press and hold"➡"button. and press 🔧"button once to select the interface (car or trailer) then press the "➡"button to set the high pressure value of the current interface.

press"➡" button once to enter the next setting.

Disable/enable trailer and spare tyres:
Press "➡"button to select the programmed Axles of the Trailer or Spare Tyre, then press "➡" button for 3 seconds to disable or to enable.

Press"➡"button once to enter the next setting.

Trailer axles setting:

Enabled status(default)

Disabled status

Spare Tyre settings (individual):

Enabled status(default)

Disabled status

Tyre data deletion:
In tyre data deletion page, press"➡" button to select the programmed tyre data to be deleted.

Then hold "➡" button until the display shows "--", the tyre data has been deleted.
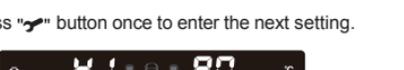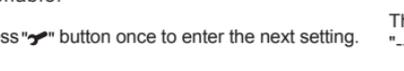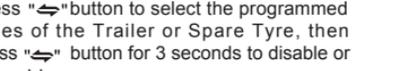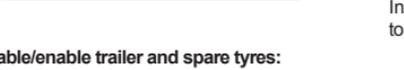
Specifications

Sensor:
Operating frequency: 433.92 ± 0.015MHz
Operating voltage: 2.3~3.3V
Operating temperature: -20℃~+80℃/-4℉~+176℉
Pressure range: 0~7.9Bar/0~86PSI

Display:
Operating frequency: 433.92 ± 0.015MHz
Operating voltage: 2.6~3.6V
Operating current: <2.5mA
Operating temperature: -20℃~+70℃/-4℉~+158℉

Adjustable Alarm Value:
High pressure value: 2.6~7.9Bar/37~86PSI
Low pressure value: 0.9~3.9Bar/13~55PSI
High temperature value: 70~90℃/ 158℉~ 194℉

Default Value:
High pressure value: 3.3Bar/47PSI
Low pressure value: 1.7Bar/24PSI
High temperature value: 80℃/176℉

Precison:
Temperature: ±3℃/±5℉
Pressure: ±0.1Bar/±0.2PSI

1Bar = 14.5PSI =100K Pa = 1.02kgf/cm²

Note: It is recommended that the tyre pressure alarm values are set to ±25% of the recommended manufacturer tyre pressure values.

Disclaimer

1. (TPMS) is designed for vehicles with tyre pressure up to 6.0 Bar/ 86PSI.
2. All sensors in this unit have been pre-set individually for each tyre in the system.
3. Whenever the location of tyre changed, the sensors must be changed to the corresponding tyre.
4. The display will turn off after the vehicle stops.
5. The sensor battery life depends on the driving mileage.
6. Approval marks and numbers should not be removed from the product.
7. If the solar energy display is placed in temperature of higher than 80℃(or 176℉), the capacity of the built-in battery might be damaged.
8. If the display no longer holds a charge then it is time to replace the display unit as the display unit battery is non-user replaceable.
9. Discharge and charge fully every 6 months to preserve battery life.
10. Store between -40℃ to +80℃ (-40℉ to +176℉). Charge between -10℃ to +65℃ (+14℉ to +149℉).
11. Do not expose the battery to high temperature.
12. Do not allow the battery to get wet, store or use in high humidity conditions as this will discharge the battery.
13. Do not disassemble or tamper with battery.

Driver distraction warning

● Driver should always operate a vehicle in a safer manner. Minimising the amount of time spent viewing the display will prevent distraction.
● When installing on the dash, ensure the device is placed securely to ensure that it does not obstruct the driver's view of the road.
● Do not place in any way that may hinder the vehicles operating controls.
● Do not place in a location that will obstruct airbags.

Troubleshooting

1. After the installation, there is no tyre data on the display
* The sensors were not programmed to the display, please reprogram the sensors
* The display should show the real time tyre data automatically when the speed is over 25km/h

2. There is no tyre data on the display
* The sensors are not programmed to the display, please reprogram
* There is a problem with the sensor

3. The system has a problem when there is "--" appears intermittently
* The signal that is transmitted is a RF signal and is much like a cellphone signal. The FCC requires to allow all other RF signals to interfere with the system signals and this can cause the monitor to occasionally miss a transmission from the sensors. If this persists then you could have a damaged sensor or the batteries could be weak.

Additional Warnings

● These limits are designed to provide reasonable protection against harmful interference in a residential installation.
● This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
● However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
● Reorient or relocate the receiving antenna.
● Increase the separation between the equipment and receiver.
● Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
● Consult the dealer or an experienced radio / TV technician for help.

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as "Oricom".

Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period. This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

The benefits of this Express Warranty are in addition to other rights and remedies you may have under the Australian Consumer Law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. In the event of a minor failure, Oricom reserves the right to choose to repair or replace the product.

The Express Warranty Period will be a period of 12 months beginning on the date of purchase of the product evidenced by your dated sales receipt. You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that

your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.
No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.
Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a
1. Failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;
2. Wilful misconduct or deliberate misuse by you of the product;
3. Any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or
4. Modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.
How to make a claim under your Express Warranty in Australia
Oricom has a simple warranty process for you to follow:
● Please call or email our Customer Support Team, 02 4574 8888 or support@oricom.com.au.
● A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.
● We will then email a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the product for warranty service.
Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:
● A completed Return Authorisation form
● A copy of your Proof of Purchase (please keep your original copy)
● The faulty product, including all accessories.

Send the approved returns to:
Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756 Australia
Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.
Important Information - Repair Notice
Please be aware that the repair of your products may result in the loss of any user-generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your product before sending for repair. Please also be aware that products presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired.
ORICOM CUSTOMER SUPPORT
Oricom have a trained and dedicated team of Customer Support Representatives, each with the knowledge and resources to assist in answering your questions quickly and efficiently.
Oricom Support - Australia
For all product enquiries, troubleshooting or to discuss the range of Oricom products, feel free to contact Oricom or visit our website for answers to frequently asked questions.
02 4574 8888
Monday - Friday 8am – 6pm AEST
Email: support@oricom.com.au
www.oricom.com.au

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