

ACCUTIRE MONITOR™

“WIRELESS” RF DIGITAL TPMS (Tire Pressure Monitoring System)

SPECIFICATIONS:

Valve Cap:

Measuring Range: 5 ~120PSI

Accuracy: ± 2 PSI

Resolution: 0.1PSI

Power: One 3V CR1632 Lithium button cell

Display unit: Use Car power adapter with nominal voltage 12V

OPERATION INSTRUCTIONS

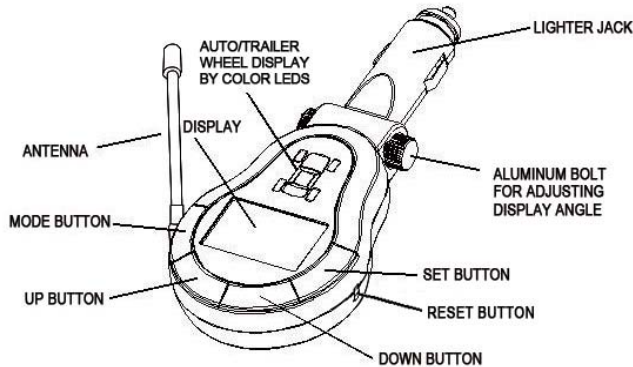
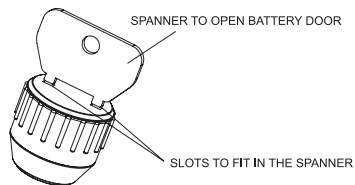


Fig.1

1.)SETTING YOUR DISPLAY UNIT & VALVE CAPS

Valve caps come with a battery insulation tab to protect the power during storage. Open the back of each valve cap using the spanner tool provided and remove the battery insulator and replace the button cell observing the polarity. Always insert the button cell into valve cap keeping the positive polarity mark and the battery type marking facing towards you. Refer the graphical display of how to replace the battery in fig.2a and 2b.



Rotate in counter clockwise direction to open the battery door

Fig.2a

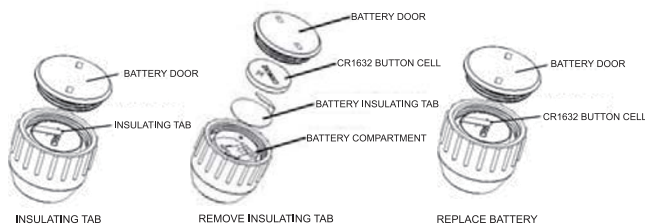


Fig.2b

Now you are ready to start setting your TPMS-Tire Pressure Monitoring System.

2.)SETTING THE DISPLAY UNITS

Press and hold SET button for longer than 2 seconds. Display will enter the unit setting mode. At this mode press UP/DOWN buttons to select the desired display mode.

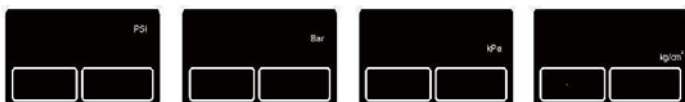


Fig.3

3.)SETTING GOALS

After setting the units display mode press SET button once and the unit will enter the goal setting mode. In this mode at first the front tires of the car symbol on display unit will show permanent on GREEN. Use UP/DOWN buttons to increase or decrease the values to your desired tire pressure value. Default goal pressure value is 30PSI. After setting Front tire goal press SET once and the unit will enter into the Rear Tire setting mode. Follow the same steps as Front tire to set the rear tire values.



Fig.4

After setting the tire modes and Goals, press SET button once again and the unit will return to normal display mode - auto scan mode.

4.)REGISTRATION OF VALVE CAP WITH DISPLAY UNIT

This TPMS comes with all valve caps pre-registered to TPMS display unit. Each valve cap is numbered with FL(Front Left), FR(Front Right), RL(Rear Left) and RR(Rear Right). If you install the valve caps in correct order then you can skip the registration process.

Each valve cap has it's unique ID number. To allow the caps to function correctly, each valve cap should register itself with Display unit. To register your valve caps follow the steps below.

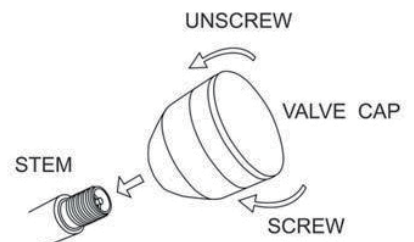
- Remove all batteries from valve caps and plug the display unit into car lighter socket, turn on the keys if the lighter socket power activates only when the power is on.
- Press and hold both UP & DOWN buttons to enter registration mode.
- Check if RED LED light corresponding to a wheel is blinking.
- Select the front left tire by pressing the UP/DOWN keys
- Install the button cell of valve cap for front left tire and watch the display. Within few seconds display will update with pressure 0.0 and the blinking RED LED will change to GREEN. This shows the valve cap on front left tire has been properly registered.
- If not registered properly, remove button cell from valve cap and then re-install.
- Once front left valve cap registers press UP button and move to the next tire; Front Right and then to Rear Left and Rear Right.Repeat the same steps as per front left to register the Remaining valve caps. Note that you should register only one valve cap at a time.
- Once all the tires are being registered press & hold UP & DOWN buttons and leave the registration process.

Install 4 valve caps on tires after registration.

Now you can enjoy the use of our TPMS.

5.)HOW TO INSTALL VALVE CAPS:

Remove the dust cap on the valve stem of your tire and install the valve caps as described in Fig.5a. Make sure the caps are being securely fastened on the stem and there is no leaking of air.



HOW TO INSTALL VALVE CAP TO WHEEL

Fig.5a

Once the valve cap is being installed a basic wheel balancing could be necessary. Your TPMS comes with a strip of 4pcs Weight chips. Cutoff one piece, select a flat inside surface of the wheel rim opposite to the Valve Cap and paste the weight chip on it. Before pasting the chip ensure the surface of rim is clean and dry. After installing the vale caps and the weight chips on all four wheels you can enjoy the use of our TPMS.

For more details on how to find the position and how to paste the weight chip please refer Fig.5b.

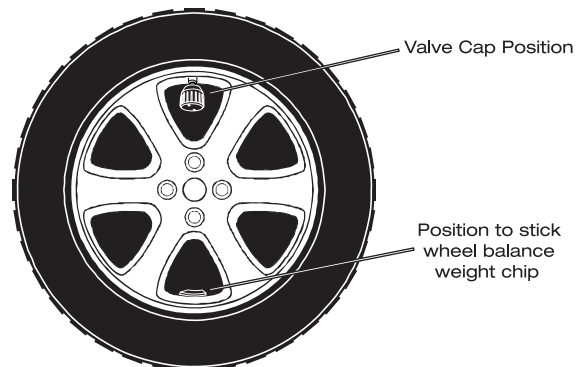


Fig.5b

6.)DISPLAY MODES:

There are two display modes in display unit.

6.1.)Auto Scan Display Mode:

In this mode the display will show the pressure of the Front Left tire, Front Right tire, Rear Left tire and Rear Right tire switching to each tire one by one in each 3 seconds. To indicate the tire and the corresponding readout a LED on the car symbol on top to the LCD will light up.

To indicate the pressure condition, while you see the actual readout on LCD the LED light will also show you the status of your tires by changing its colors at different thresholds in following manner.

RED- When tire pressure is too low, 20% below set limits

YELLOW- When tire pressure is between 10% and 20% below set limits

GREEN- When tire pressure is normal, between -10% and +20% of set limits

BLUE- When tire pressure is too high, over 20% of set limits

In this mode if you need to see the actual pressure of any tire you can manually select the tire by pressing UP or DOWN buttons. Once you manually select a tire after 10 seconds the display will enter to scan the tires one by one in each 3 seconds.

6.2.)Manual Scan Display Mode:

While you are in Auto Scan mode press MODE button will switch the display to manual display mode. To indicate this mode LED corresponding to the selected tire will blink. In this mode the display will fix to one tire permanently. If you want to see the next tire should press UP or Down buttons and manual move to next tire.

See fig.6 for a layout of basic display format of tire pressure.

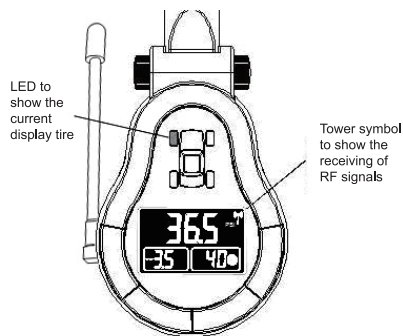


Fig.6

7.)SPECIAL DISPLAY FEATURES:

Tower symbol:

This tower symbol shows the status of RF signal reception. If your display unit received signals within last 60 minutes this symbol will always on.

If no signals received in last 60 minutes tower will blink. If no signal is being received in last 3 hours tower display will disappear.



Fig.7

Low battery display:

The batteries in the valve caps require change about once a year. If the word "Lo" appears at left bottom window on the display you should replace the button cells of valve caps immediately.

8.) SPECIAL ALARM ALERTS:

There are special Buzzer alarms to indicate different alarming conditions of tire pressure.

A BEEP in each 4 seconds

- 1.) Sudden drop in pressure
- 2.) Pressure less than 80%
- 3.) Did not receive data from valve cap for more than 2 hours

You can press any key while the alarm is beeping the alarm will stop immediately.

Two BEEPS in each 4 seconds:

No data received from a valve cap for last 5 hours.

9.) If your TPMS cannot receive signals

If your TPMS does not display tire pressure for over one hour please reset the unit by pressing the RESET switch at the right side of the unit as shown in Fig.1

Recommendation:

- 1) As the caps may protrude beyond the tire wall please take extra care when parking or using an automatic car wash, for example, in order to prevent any damage.

- 2) Some wheels may require rebalancing if the user feels that the tires are out of balance. When rotating tires, the caps must remain in the same location as originally installed for proper signal transmission to the receiver. Please refer to Original Manufacturers Owner's Manual.

10.)Battery Notes:

- Replace all batteries of a set at the same time
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -)
- Remove batteries from equipment which is not to be used for an extended period of time

Caution for Boat Trailers:

Valve caps cannot submerge in water for longer periods. All valve caps should be removed from tires during launching and loading boats onto trailers.

HELPFUL HINTS:

- Always be sure to follow the tire manufacturers recommended tire pressure ratings which are based on "cool" tire temperatures. This information can be found either in the owners manual or on the drivers door jam of your vehicle.
- To clean the gauge, use a soft damp cloth. Do not immerse in, or spray with water or other liquid cleaners.

FCC warnings:

This device complies with Part15 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"

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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.

Caution: Any changes or modifications not expressly approved by the manufacturer of this product and the party responsible for compliance could void the user's authority to operate the equipment.

Warranty and service

Measurement Ltd., Inc. ("MLI"), warrants for a period of one (1) year from date of purchase that the product will perform substantially in accordance with its written specifications. MLI does not warrant that the product will meet the specific needs of purchaser or that the product will be fit for use on all vehicles, and purchaser shall be responsible for determining whether the product is appropriate for purchaser's desired application or vehicle. Other than the foregoing express warranty, MLI makes no other warranty with respect to the product or the results that may be obtained from the use of the product, and MLI hereby disclaims all other warranties, including the implied warranties of fitness and merchantability. In the event of a breach of the foregoing warranty, purchaser's sole remedy will be a full refund of the purchase price paid. Under no circumstances shall MLI be liable to purchaser for any incidental, indirect or special damages resulting from the use of the product including, without limitation, for any damage to purchaser's vehicle. Some states do not allow the limitation or exclusion of implied warranties, so the above limitation or exclusion may not apply.

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