

ACCUTIRE®

EXTEND THE LIFE OF YOUR TIRES!

ACCUTIRE MONITOR™

"WIRELESS" RF DIGITAL TPMS (Tire Pressure Monitoring System)

SPECIFICATIONS:

Range: Tire gauge: 5~150PSI, Valve cap: 5~120PSI
 Accuracy: Gauge: $\pm(1\% + 0.5\text{psi})$, Valve cap: $\pm 2\text{PSI}$
 Resolution: Tire gauge: 0.1 PSI, Valve cap: 1 PSI
 Power: Valve cap: 1x 3V CR1632 Lithium Button Cell (replaceable)
 Gauge: 3.6V 2/3AA one rechargeable Lithium-Ion battery (replaceable)

OPERATION INSTRUCTIONS

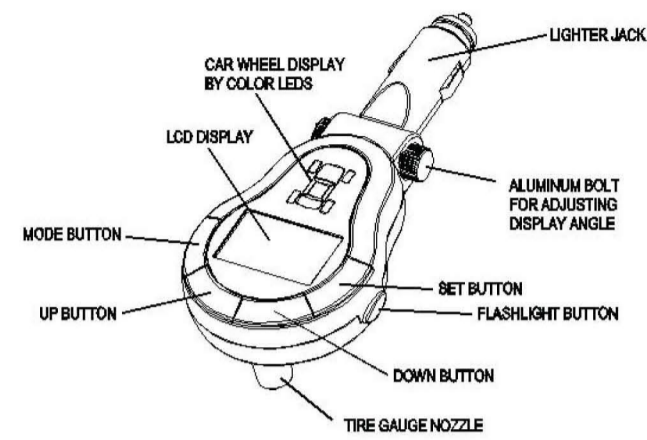
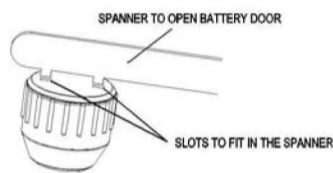


Fig.1

1.) SETTING YOUR TIRE GAUGE & VALVE CAPS

Valve caps and the tire gauge display unit 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. Use a screw driver to remove the battery door at the back of the tire gauge display unit and pull out the insulating tab, then replace the battery door and fasten the screw as shown in fig.3.

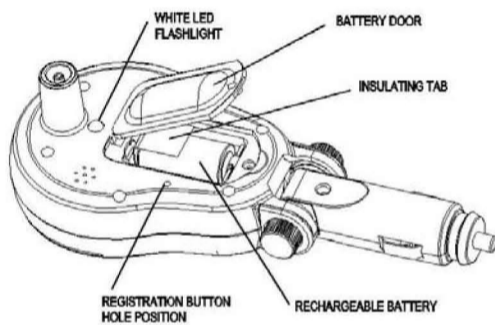


Rotate in counter clockwise direction to open the battery door

Fig.2a



Fig.2b



HOW TO REMOVE INSULATING TAB

Fig.3

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.4

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.

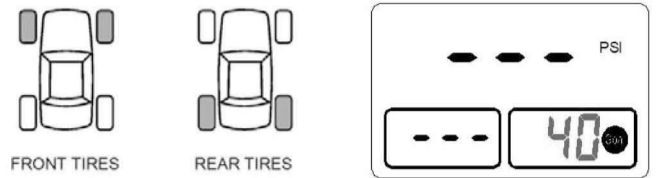


Fig.5

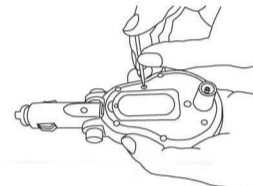
After setting the tire modes and Goals, press SET button once again and the unit will return to normal display mode auto scan mode.

4.) REGISTRATION OF VALVE CAP WITH TIRE GAUGE DISPLAY

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

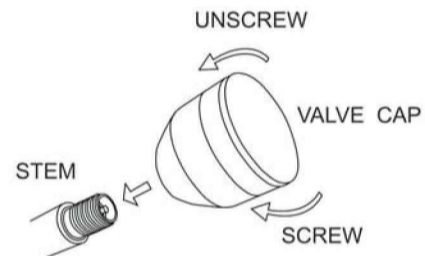
- Remove all battery insulations from Valve caps and from Tire Gauge Display unit
- Check if the tire gauge display gives a good contrast on LCD. If the display does not show properly, turn on the car and plug in the display unit to cigarette lighter socket and charge the battery for about 10 minutes and then go to next step
- Press the registration button at the back (see Fig.6) of the display housing by using a pin.
- Check if RED LED light corresponding to a wheel is blinking
- Select the front left tire by pressing the UP/DOWN keys
- Install the valve cap on front left tire and watch the display --- Within 30 seconds display will update with pressure value. This shows the valve cap on front left tire has been properly set.
- If not registered properly, remove valve cap and then re-install after 30 seconds
- 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 plug the Tire Gauge display unit in to lighter socket



Note: This product comes with all valve caps pre-registered to Tire gauge display. Each valve cap is numbered with 1 (Front Left), 2 (Front Right), 3 (Rear Left) and 4 (Rear Right). If you install the valve caps in correct order then you can skip the registration process.

Now you are ready to use the TPMS.



HOW TO INSTALL VALVE CAP TO WHEEL

Fig.6

After registration process completes you can plug in the Tire Gauge Display unit to the lighter socket in your car and enjoy the use of our TPMS.

5.) DISPLAY MODES:

There are three display modes in tire gauge display unit.

5.1.) 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

Low battery display:

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

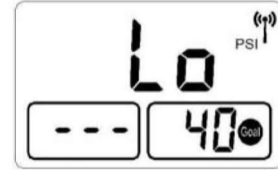


Fig.9

7.) SPECIAL ALARM ALERTS:

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

A BEEP in each second for a duration of 20 seconds indicates:

- Sudden drop in pressure
- Pressure less than 80%
- Detected Defective valve cap

You can press any key while the alarm is beeping the alarm will stop immediately. The alarm will go off due to time out after 20 seconds, and then it will reactivate after 5 minutes.

Two BEEPS in each 4 seconds:

No data received from a valve cap for last 24 hours.

Single BEEP in each 4 seconds:

No signal reception in last 3 hours

8.) Flashlight function

This product also has a white flash light feature for use in the dark to provide adequate light to see the valve stem for a reading or the key lock of your car.

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.

Warranty and service

Measurement Ltd., Inc warrants this gauge against defects in material of workmanship for a period of one (1) years from the date of purchase and agrees to replace it free of charge. This warranty does not cover damage resulting from misuse or abuse of the product. Should your gauge require service, you may send it back to Measurement Ltd., Inc for repair or replacement. **Our authorized service center address:** 11751 Rock Landing Drive Suite H-7 Newport News, Virginia 23606 U.S.A. **Attn: Customer Service**



Measurement Ltd., Inc.

www.measurement-ltd.com

MODEL MS-4368

Printed in China

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.

5.2.) Manual Scan Display Mode:

While you are in Auto Scan mode press MODE button will switch the display to manual display mode. 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.7 for a layout of basic display format of tire pressure.



Fig.7

5.3.) Using the TPMS as a Tire Gauge

From manual scan display mode press MODE button once will enter the Tire Gauge Display mode. Once the display reset to zero you can press the tire gauge on to the wheel stem and hold for few seconds to measure the tire pressure. Once a successful reading is being completed a BEEP will emit and the display will show the tire pressure. See fig.8 for more information about the tire gauge display. To reset the display to zero after a reading press SET button once.

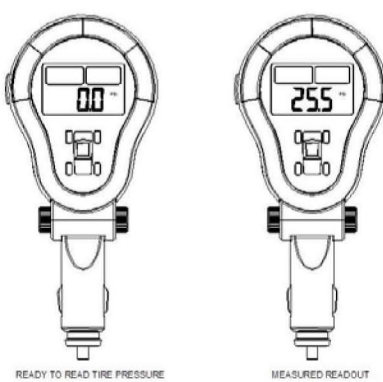


Fig.8

6.) 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.