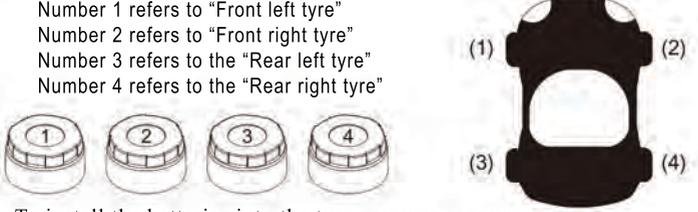


1. The Installation of Tyre Pressure Sensors

As each sensor has its own position, you must ensure it is located in the correct location. When inserting batteries in each sensor make sure not to mix up the sensor caps from the body as each is specifically designated.



To install the batteries into the tyre pressure sensors:
 1) Remove the sensor cap and insert the battery as shown below (Positive side facing upwards)
 2) The LCD monitor will beep and the corresponding display for that sensor will flash between 'Lo.P and 00.0'. This is indicating that the sensor is online, but not yet mounted.
 3) Repeat this process with the remaining sensors until all sensors are online.
 4) If any sensors fail to come online, please try a battery from another sensor, or consult your nearest Tyredog dealer.
 5) Once all sensors are online, proceed to fitting the sensors to your tyre valves.



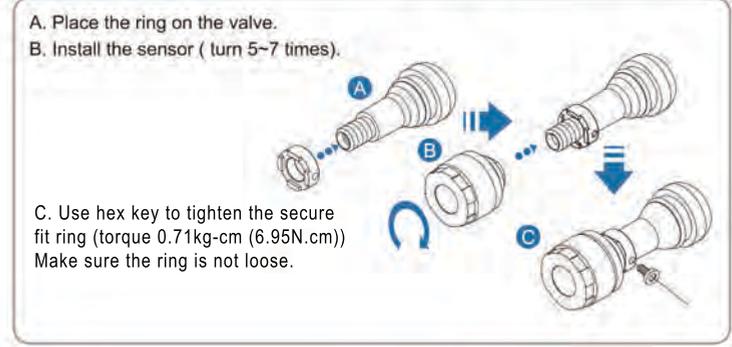
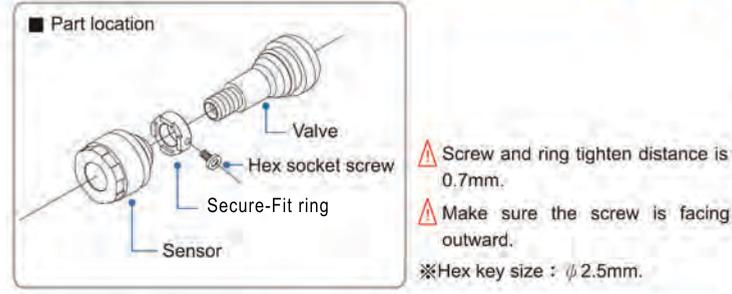
4. LCD Monitor Bracket Installation

The LCD monitor can be powered by 2x AAA batteries, or your car's power by using the supplied cigarette lighter adapter. To install the batteries push the lever down on the back of the unit and insert the negative end of the battery onto the spring side of the battery holder.

A) Place the fixed lock ring on top of the suction cup bracket holder (refer to Arrow 1 in diagram)
 B) Install the suction cup bracket holder with the holder arm base (refer to arrow 2 in diagram), use fixed lock ring to tighten the base and holder (Arrow 3)
 C) Install the monitor holder and holder arm base. Make sure the monitor holder and base clip is well attached (refer to Arrow 4), then move the monitor holder down (Arrow 4) and connect both parts



2. Secure-Fit Ring Installation (Optional)



5. Operating Instructions

Main Button Functions

- Mute:** Pressing the mute button will disable all audible warnings. This is indicated by the speaker icon with a strike through it on the GUI
- Temperature:** pressing the temperature button will illuminate the display and show all temperatures for 5 seconds.
- Back Light:** When on battery power, pressing the backlight button will illuminate the screen for 5 seconds. Note: The screen is constantly illuminated when operating on cigarette lighter power.

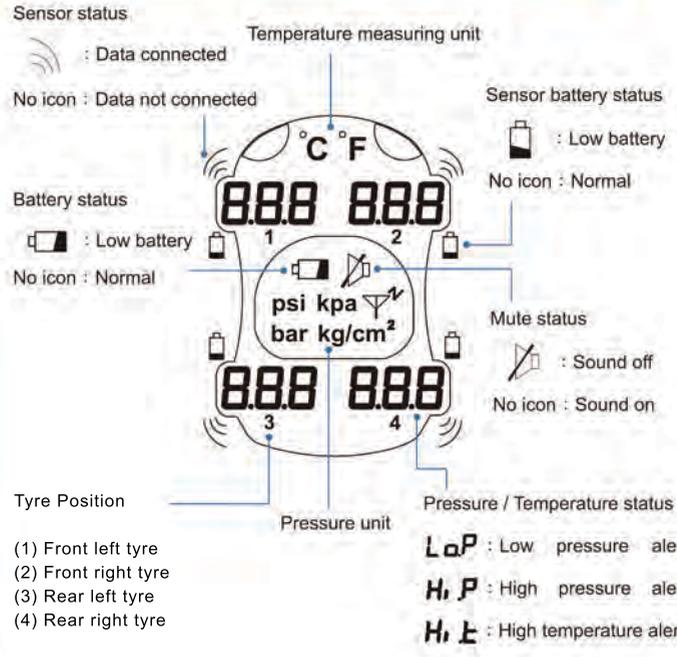
Settings Mode Button Functions

After holding the Mute Button for 5 seconds, the LCD monitor will display the setting mode. Under this mode the following buttons are used for:

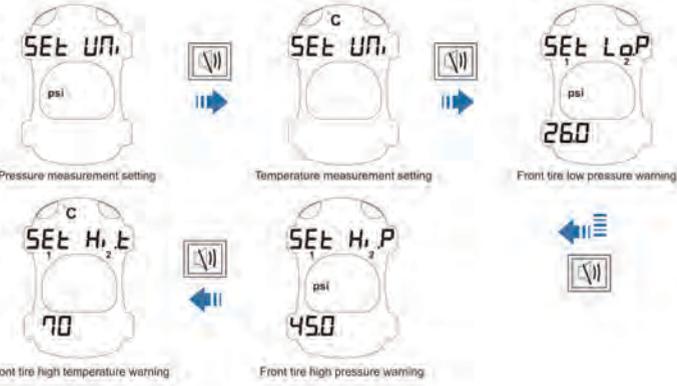
- Confirm
- Lower Temperature/Pressure
- Raise Temperature/Pressure

After all settings are completed the LCD monitor will return to the main menu following a beep sound.

3. Graphic User Interface Description



Menu Sequence



System Reset

To reset all stored values, turn on the monitor while holding the temperature button. Once the power is turned on, continue holding the temperature button and the monitor will beep once then again 1 second later to confirm that the settings have been cleared. You must continue to holding the temperature button until the second beep is heard or settings will not be cleared.

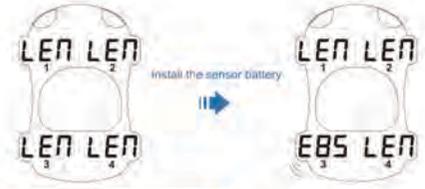
6. Learning Mode

If in the case a sensor is lost, stolen or damaged, it can be replaced with a 'Learnable Sensor'. These sensors have their own special code and can only replace those of the same type and wheel location. For example if a number (2) sensor is damaged it can only be replaced by a number (2) sensor as it is specifically designated to that sensor location. Learnable sensors can be purchased individually at an authorised Tyredog reseller.

To enter learn mode, hold the Mute button for 10 seconds. The monitor will then show 'LEN' in the four corners of the screen. You must continue holding the mute button until 'LEN' is displayed or Learn Mode will not be initiated.

Once the system is in learning mode, you can proceed to program your new learnable sensors. Simply insert the battery into the learnable sensor to activate its code in the monitor's memory. When the code is learnt, the monitor will beep once, and the new code will be displayed in the corresponding wheel location on the display.

If a battery is inserted into a non-learnable original sensor, the monitor will beep 3 times to indicate that it is not a learnable code. If you hear 3 beeps with your learnable sensor, please contact your reseller.



9. Troubleshooting

Tyre Pressure Indicators disappear from / do not appear on the display

- 1) Please make sure the power switch is on
- 2) Please make sure the monitor has a battery inserted
- 3) Be sure to check the direction of the battery when installing it. (Positive side up)
- 4) Please make sure to check the battery's charge, a replacement battery may be needed after extensive use of the product
- 5) Please make sure the system isn't in 'sleeping mode' as the 'sleeping mode' will be triggered when the system has been idle for more than 20 minutes as a power-saving feature. You can disable sleeping mode by plugging in the monitor or pressing any button on the monitor
- 6) If using the power cord to power the monitor, make sure it is connected

No connection between sensors and monitors

- 1) Please ensure the sensors are configured within an appropriate distance from the monitor. This system the TD1000A-X is designed for a passenger car. If installed on other vehicles the system can't guarantee its functionality
- 2) Ensure the sensor has a battery installed, and correctly installed
- 3) Be sure to check the battery's charge before installing
- 4) Replace the sensor battery with a new lithium battery
- 5) Make sure the sensor hasn't been mixed up with other systems. Each sensor has its own unique number and the monitor can only receive information from the pre-identified numbers and cannot accept any other sensors
- 6) To ensure maximum reception between sensor and monitor, mount the monitor on the windshield.

When the low battery symbol appears on the monitor if the user continues to operate the device it may cause the monitor to not functional correctly. The monitor may revert to 'sleeping mode' when temporarily parked or when driving at a stable speed as a power-saving feature. You can simply bump or press any button to wake the monitor.

Monitor falling from the windshield

- 1) Please make sure the surface of the glass is clean and flat to allow the best connection between the glass and the suction cup.

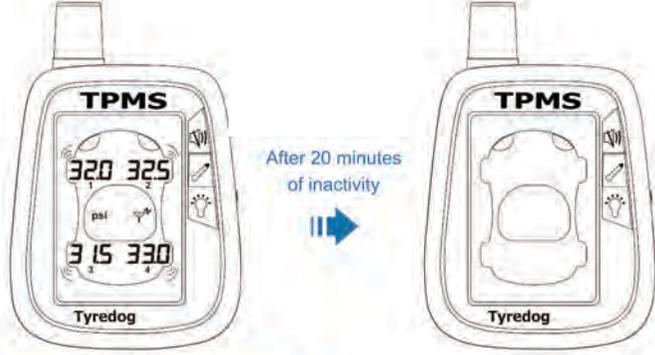
Pressure difference between the front and rear tyres.

- 1) Many environmental factors cause tyre pressure to rise or fall including hot weather or warm tyres which will cause the pressure to rise.
- 2) Due to the engine position predominantly in the front of the car, the front tyre temperature is higher than the rears, causing the front tyre pressures to be greater than the rears.

If these solutions do not help improve the situation. Contact your nearest dealer.

7. Sleep Mode

When the monitor is turned on, if it is not touched after more than 20 minutes the monitor will automatically enter 'sleep mode'. In this mode, the monitor will be turned off to save battery power and extend the battery life. Any vibration or push of a button will automatically wake the monitor.



10. Precautions

- A) Due to the rubber valve stem aging under high temperature and sun exposure it may cause cracks on the rubber stem, therefore we recommend metal valve stems.
- B) Please choose the installation location of the LCD monitor carefully so that it will not interfere with the driver whilst operating the vehicle.
- C) Please make sure the LCD monitor is firmly fixed to the front windshield or dashboard
- E) Please ensure the sensors are fitted tightly. If necessary pour soapy water on the valve stem to check for any possible air leaks
- F) If tyre pressure is dropping, please stop the car immediately to check if the tyre is deflating or another problem is happening
- G) Cautions regarding the lithium battery-
 - i) Do not touch any metal objects
 - ii) Do not swallow, recharge or dispose of in a fire
- H) Please do not operate this device whilst driving

11. Product Package Contents

Items	Content	Quantity	Items	Content	Quantity
LCD Monitor		1 piece	Monitor Holder		1 piece
Tyre Pressure Sensor		4 pieces	Suction cup bracket holder		1 piece
CR1632 Lithium Battery		4 pieces	Holder arm base		1 piece
AAA-1.5V Battery		2 pieces	Fixed Ring Lock		1 piece
User Guide		1 piece	Secure Fit Ring		1 piece
Cigarette Power Adapter Cord		1 piece	Spanner		1 piece
			Secure-Fit Ring		4 pieces
			Hex Socket Screw		4 pieces

*Specifications are correct at time of publication. Subject to change without notice.

8. Abnormal Tyre Pressure or Temperature

When the tyre pressure or temperature exceeds or drops below a set value, the receiver will send 10 warning sounds alongside the monitor's backlight flashing. When pressure or temperature returns to within the standard values the warning display will clear and return to the normal pressure display.

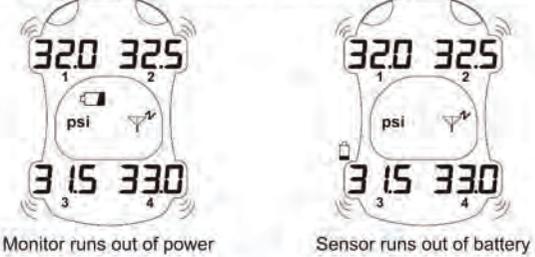


1) Monitor runs out of power

Battery power in the monitor will decrease by daily operation and when the power level becomes low the low battery indicator on the LCD monitor will remind the driver to replace the battery. Please change the monitor battery as early as possible to ensure the system functions properly

2) Sensor runs out of battery

Batteries within the sensors monitoring tyre pressure and temperature will degrade gradually over time. When a sensor battery is running low the low sensor battery warning will appear on the LCD monitor as illustrated below. Please replace the sensor batteries as soon as possible in order to collect accurate tyre information.



12. Product Specifications

Sensor specification			
Frequency	433.92MHz	Operating temperature	-40℃ ~ 125℃
Pressure range	0 ~ 60PSI	Battery life	1-2 years (depends on working hours per day)
Accuracy	Tyre pressure ±1PSI Tyre temperature ±2℃	Dimensions	Diameter 20.5mm x Height 22.1mm
Operating voltage	3Volts DC	Weight	13g (±1)

Monitor specification			
Frequency	433.92MHz	Dimensions	Length 90mm*Width 73.5mm*Height 22mm
Operating temperature	-20℃ ~ 80℃	Battery life	3 months (depends on working hours per day)
Operating voltage	3Volts DC (battery) 12Volts DC (External)	Weight	100g (±1)