



sensorAID

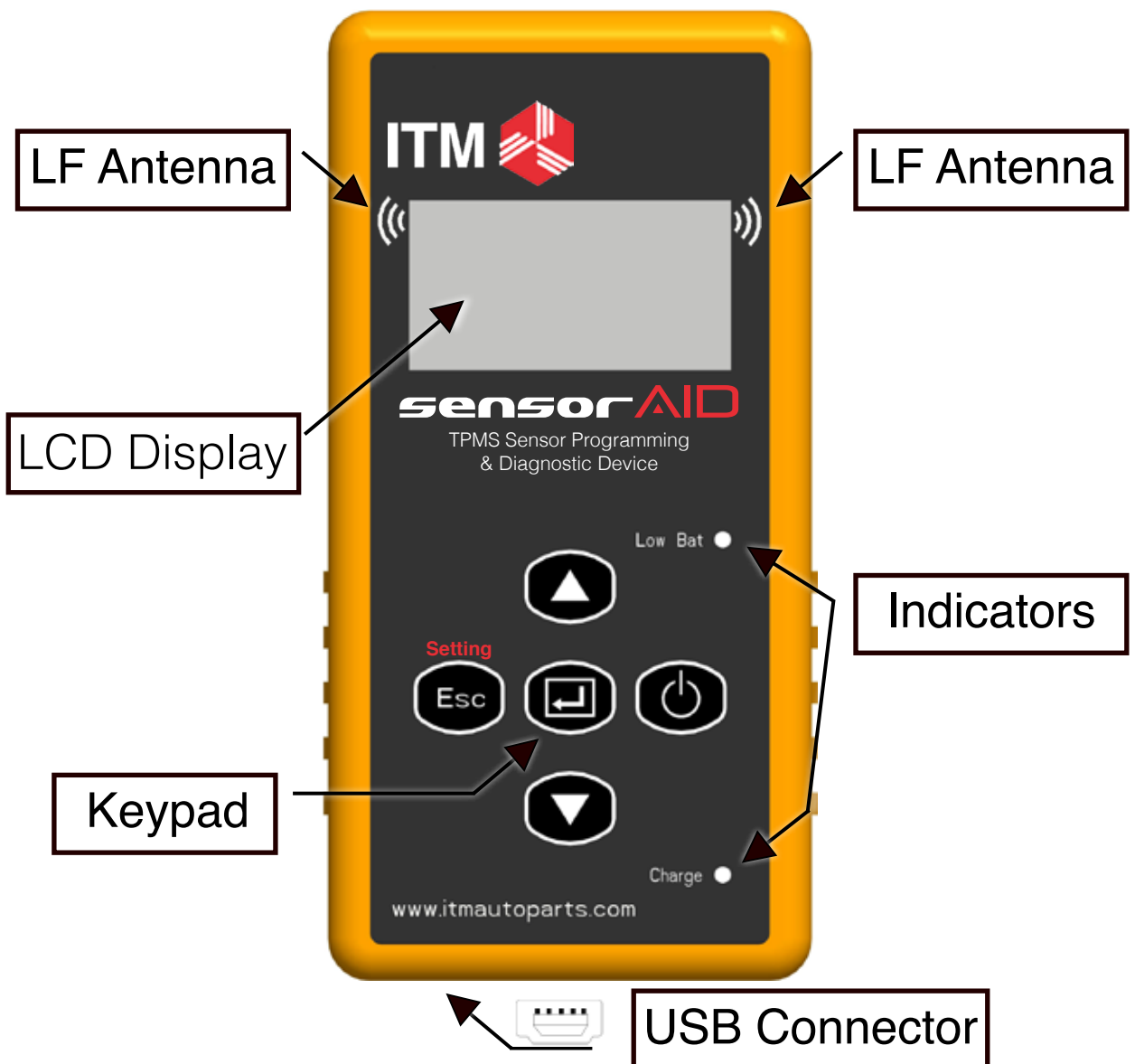
Owner's Manual

1. Sensor AID Introduction
2. Diagnosing a Sensor / Results Description
3. New Sensor
4. Auto Duplicate
5. Manual Duplicate
6. Program Blank Sensor
7. Sensor AID Settings
8. Software Update
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Sensor AID Introduction

Sensor AID is design to Diagnose and interacts with tire pressure sensor through wireless(radio frequency) communication to:

- Retrieve data from tire pressure sensor
- Verify the identity of each tire pressure sensor mounted on the wheels
- Assist technicians service TPMS



Sensor AID Introduction

Keypad Summary



Power On / Off



Navigation through menu and cruise parameter up and down

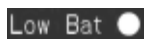


Selection key, press enter to select function or validate a parameter

Setting



Esc key, press to return to the previous menu without parameter validation, setting key configure setting of the Sensor AID



Indicator will turn red when battery is low



Indicator will turn orange when charging



The USB connection allows software update via ITM software

Sensor AID Introduction

Power On The Device



Press and hold the power key to power on the device

During power on, The device display the ITM logo.



Software revision number follows after the ITM logo.



Now the device is at the maker selection menu






Diagnosing a Sensor

Diagnose Sensor






Use arrow key to scroll up and down between maker

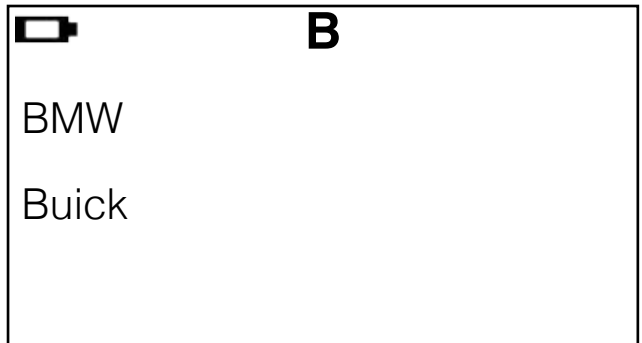
Maker selection:

Use the arrow key   to browse alphabets of carmakers, enter by using the "selection" key 






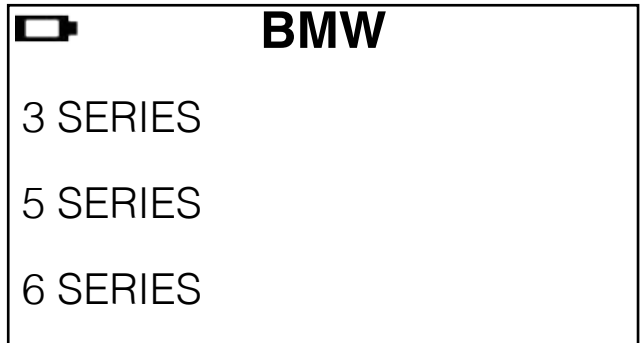
Maker selection:

Use the arrow key   to browse automakers, enter by using the "selection" key 



Model selection:

Use the arrow key   to browse models, enter by using the "selection" key 






Diagnosing a Sensor

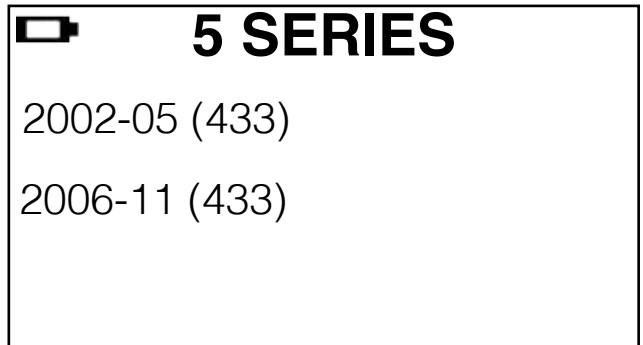
Diagnose Sensor






Use arrow key to scroll up and down between maker

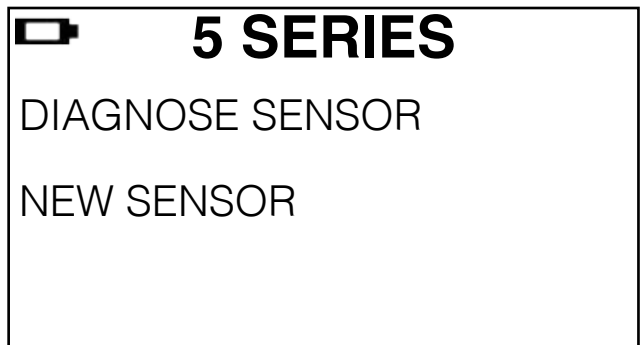
Year selection:

Use the arrow key   to
Select year and enter by using
the "selection" key 



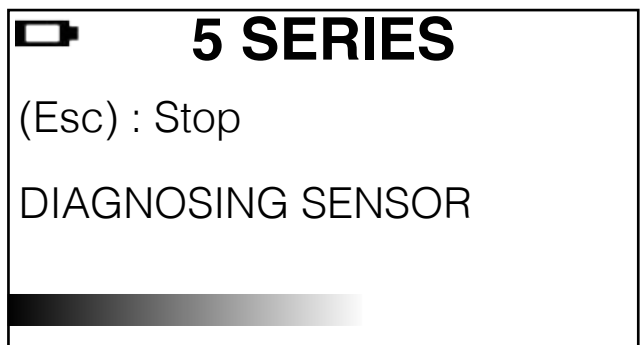
Function selection:

Use the arrow key   to
Select Diagnose sensor and
press the selection key  to
Diagnose



Diagnosing Sensor:

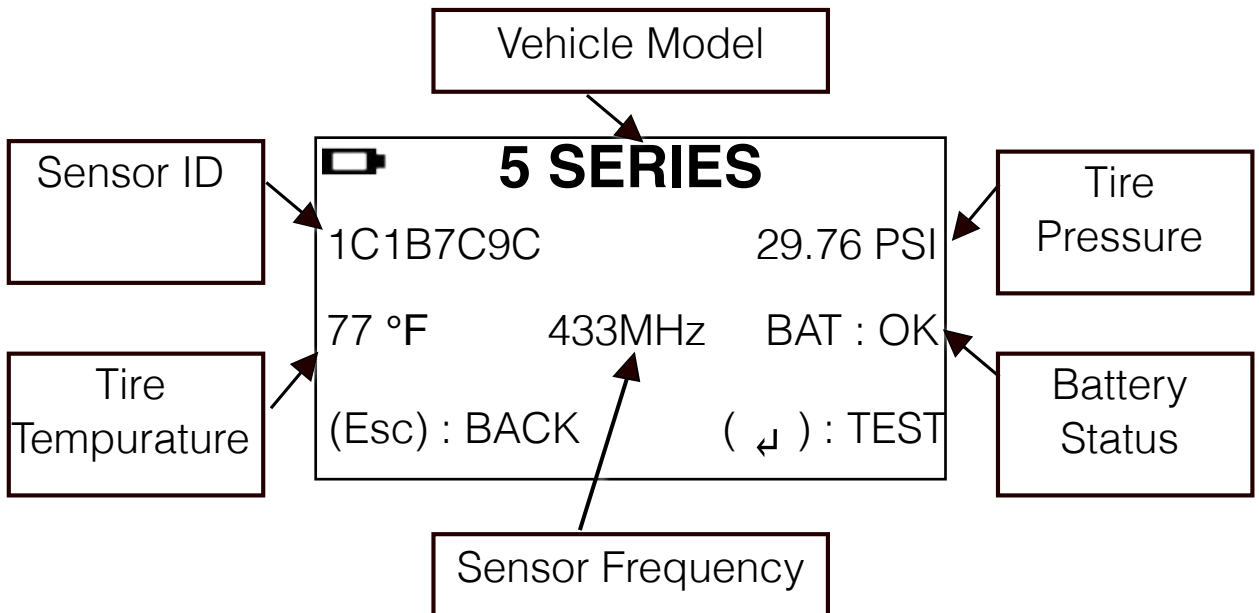
Sensor AID will now activate
the sensor, sensor respond
time may vary, depends on
sensor type and brand.
Sensor AID will beep after
receiving sensor information



Diagnosing a Sensor

Results Description

The picture below is an example of sensor data communication result






****Note:** The Sensor AID will identify the sensor information that is transmitted. Not all sensors transmit every piece of information shown.

New Sensor

Duplicate an O.E sensor




This function is design for you to by pass OBD II and automatically duplicate an O.E Sensor.

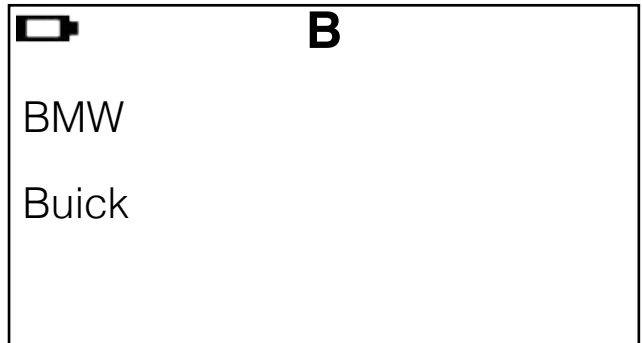
Maker selection:

Use the arrow key   to browse thought Alphabets, enter by using the "selection" key 





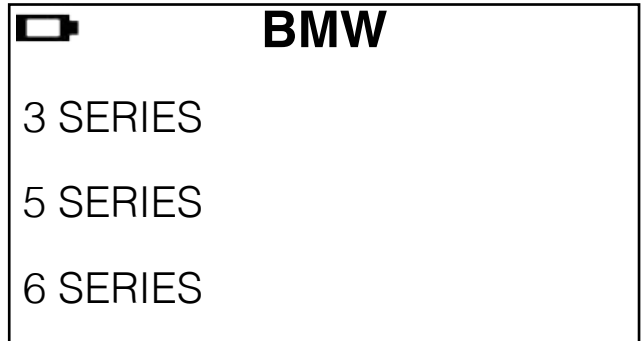
Maker selection:

Use the arrow key   to browse thought automakers, enter by using the "selection" key 



Model selection:

Use the arrow key   to browse thought models, enter by using the "selection" key






**** Note: Duplicate and Program funcation will only work with ITM's Uni-sensor and Uni-sensor only.**


New Sensor

Duplicate an O.E sensor




This function is design for you to by pass OBD II and automatically duplicate an O.E Sensor.


Maker selection:

Use the arrow key   to Select year and frequency enter by using the "selection" key 




	5 SERIES
	2002-05 (433)
	2006-11 (433)


Function selection:

Use the arrow key   to Select new sensor and press the selection key  to Enter

	5 SERIES
	DIAGNOSE SENSOR
	NEW SENSOR

Function selection:

Use the arrow key   to select auto duplicate and press the selection key  to enter.

	NEW SENSOR
	AUTO DUPLICATE
	MANUAL DUPLICATE
	PROGRAM BLANK SENSOR

**** Note: Duplicate and Program funcation will only work with ITM's Uni-sensor and Uni-sensor only.**

Auto Duplicate

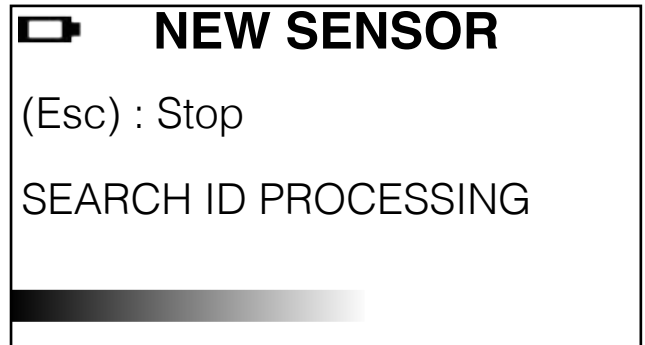
Auto Duplicate an O.E sensor

This function is design for you to by pass OBD II and automatically duplicate an O.E Sensor.


Search ID Process:

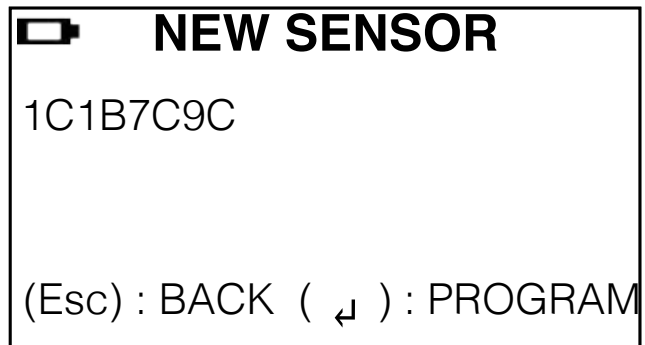
Sensor AID will now search the sensor ID, sensor respond time may very, depends on snesor type and brand.

Sensor AID will beep after receiving sensor information



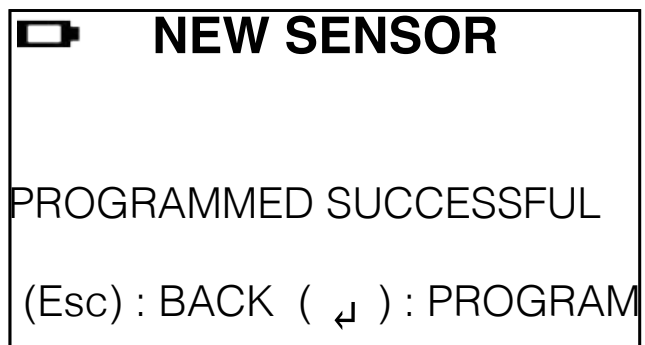
Duplicate Sensor:

Sensor AID will now display the O.E sensor ID, press the selection key  to program Uni-sensor



Duplicate Complete:

Sensor AID will now duplicate the sensor for you, following by Erasing Flash, Program sensor and Verifying, you will hear 2 short beep when the sensor is duplicated.






**** Note: Duplicate and Program function will only work with ITM's Uni-sensor and Uni-sensor only.**

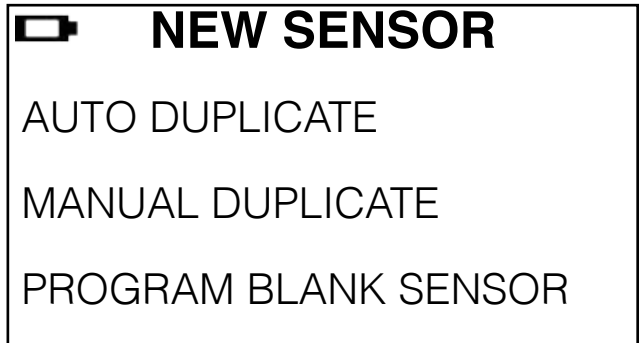
Manual Duplicate

Manual Duplicate an O.E sensor


This function is design for you to by pass OBD II and manually duplicate an O.E Sensor.

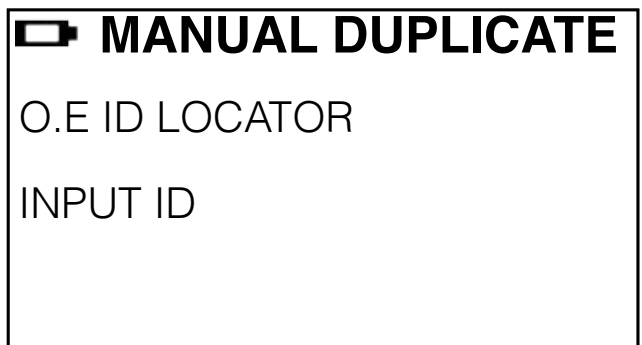
Function selection:

Use the arrow key   to select manual duplicate and press the selection key  to enter.






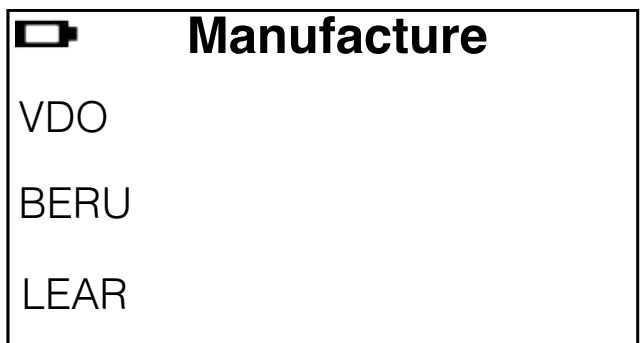
O.E ID Locator:

Use the O.E ID Locator will help you find the Sensor ID on a dead O.E sensor. enter by using the "selection" key 



Manufacture Selection:

Use the arrow key   to select the manufacture of the O.E sensor. enter by using the "selection" key 



**** Note: Duplicate and Program function will only work with ITM's Uni-sensor and Uni-sensor only.**

Manual Duplicate

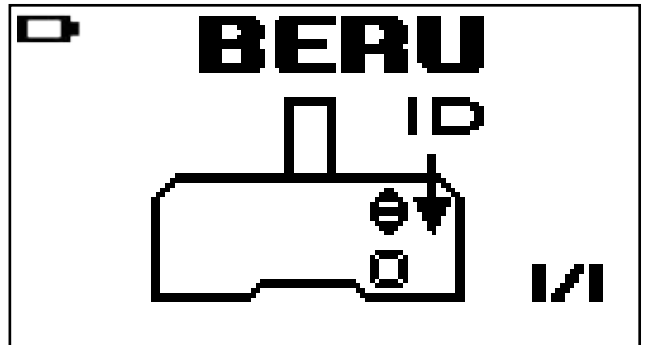
Manual Duplicate an O.E sensor

This function is design for you to by pass OBD II and manually duplicate an O.E Sensor.


ID Locator:

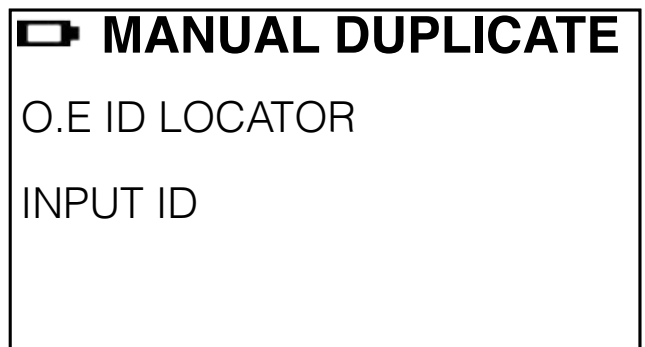
This will show you where the ID is located some manufacture may have more than one type of sensors use the arrow key

▲ ▼ to browse, to go back press the Esc key




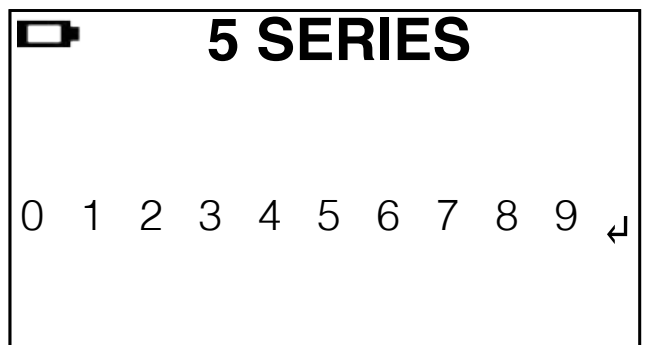
Input ID:

Use the Input ID function will allow you to input the ID from O.E Sensor to program the Uni-sensor, press the selection key  to enter



Input Sensor ID:

Use the arrow key ▲ ▼ to browse, press the selection key  to enter the ID





**** Note: Duplicate and Program function will only work with ITM's Uni-Sensor and Uni-sensor only.**

Program Blank Sensor

Programming a blank sensor

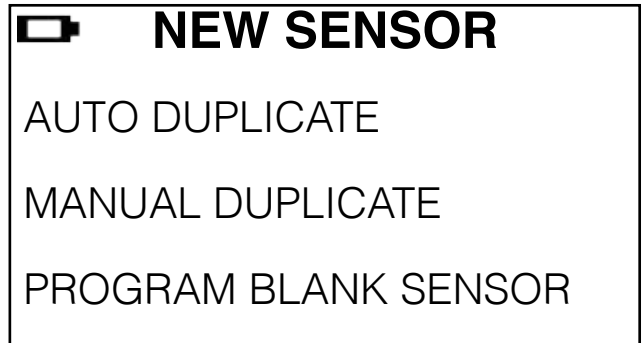
This function is design for you to program a blank sensor to O.E format for vehicle with autorelearn function.

Function selection:

Use the arrow key   to select program blank sensor and press the selection key

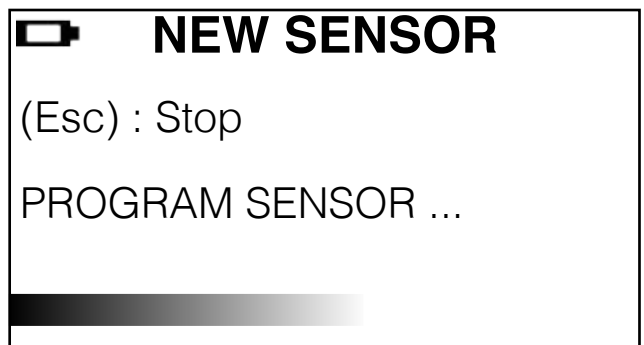
 to enter.

** Note make sure the correct sensor is insert in the cradle.



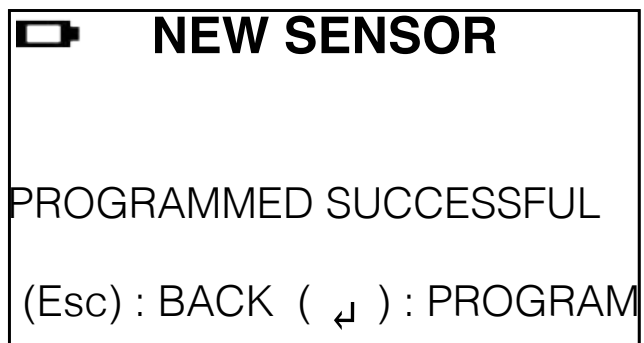
Program Blank Sensor:

Sensor AID will now program the sensor for you, following by Erasing Flash, Program sensor and Verifying.



Program complete:

When the Program process is complete, you will hear 2 short beep when the sensor is programed.



**** Note: Duplicate and Program function will only work with ITM's Uni-sensor and Uni-Sensor only.**

Sensor AID Settings


Device Setting

Setting




Press Esc to go in to setting at maker selection menu


Language:


Use the selection key  to choose the language you prefer.

*English, French, Spanish.

	SETTING	
LANGUAGE:		English
TEMPERATURE:		°F
PRESSURE:		PSI


Temperature:

Use the selection key  to choose between Fahrenheit and Celsius.

	SETTING	
LANGUAGE:		English
TEMPERATURE:		°F
PRESSURE:		PSI

Pressure:

Use the selection key  to choose between PSI and kPa.

	SETTING	
LANGUAGE:		English
TEMPERATURE:		°F
PRESSURE:		PSI

Sensor AID Introduction

Device Setting

Setting



Press Esc to go in to setting at maker selection menu

ID Format:

Change the ID format between decimal and hexadecimal with the selection key the preset setting is AUTO that automatically change format based on input.

SETTING	
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Auto off:

User can adjust how quickly the tool will turn off after a period of non-use. This feature can also be disabled. press the selection key to select desired auto off time

SETTING	
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Display contrast:

User can adjust the contrast of display. press the selection key to highlight and use the arrows to adjust between 01 to 30

SETTING	
ID FORMAT:	Auto
AUTO OFF:	3min
DISPLAY CONTRAST:	05

Sensor AID Introduction

Device Setting

Setting




Press Esc to go in to setting at maker selection menu




Device S/N:


The device seireal number is for you to update the device's firmware via CD or internet.

** Note all the update firmware is Synchronous to the device's serial number.

	SETTING
BUZZER:	ON
DEVICE S/N:	ITM00730
LANGUAGE:	English

Buzzer:

User can adjust the device to beep after receiving tire sensor information. press the selection key  to buzzer and use the arrows   to adjust between on and off

	SETTING
BUZZER:	ON
DEVICE S/N:	ITM00730
LANGUAGE:	English

Setting

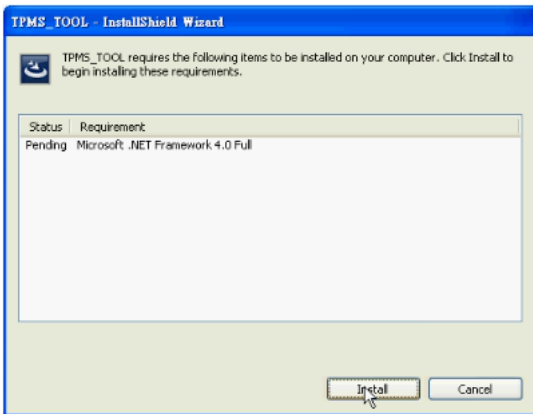


Press Esc again to go back to maker selection

Software Update

Software Installation

1. Insert the CD, supplied with instrument, into the PC drive and click on the ITM icon to start the installation
2. The following screen will appear. Click " Install "

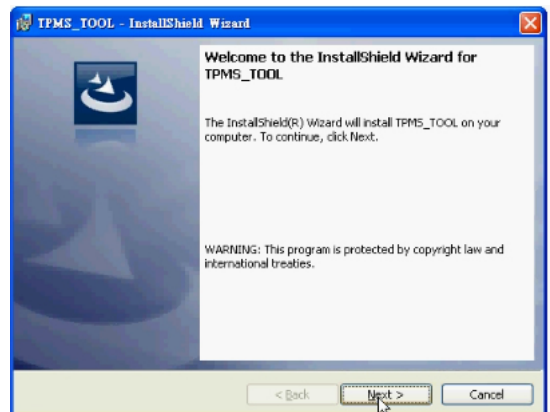


** Note This screen will only appear if you don't have Microsoft .Net Framwork 4.0 installed.

This process will take a while to complete.

3. The following window will appear, Please click " Next "

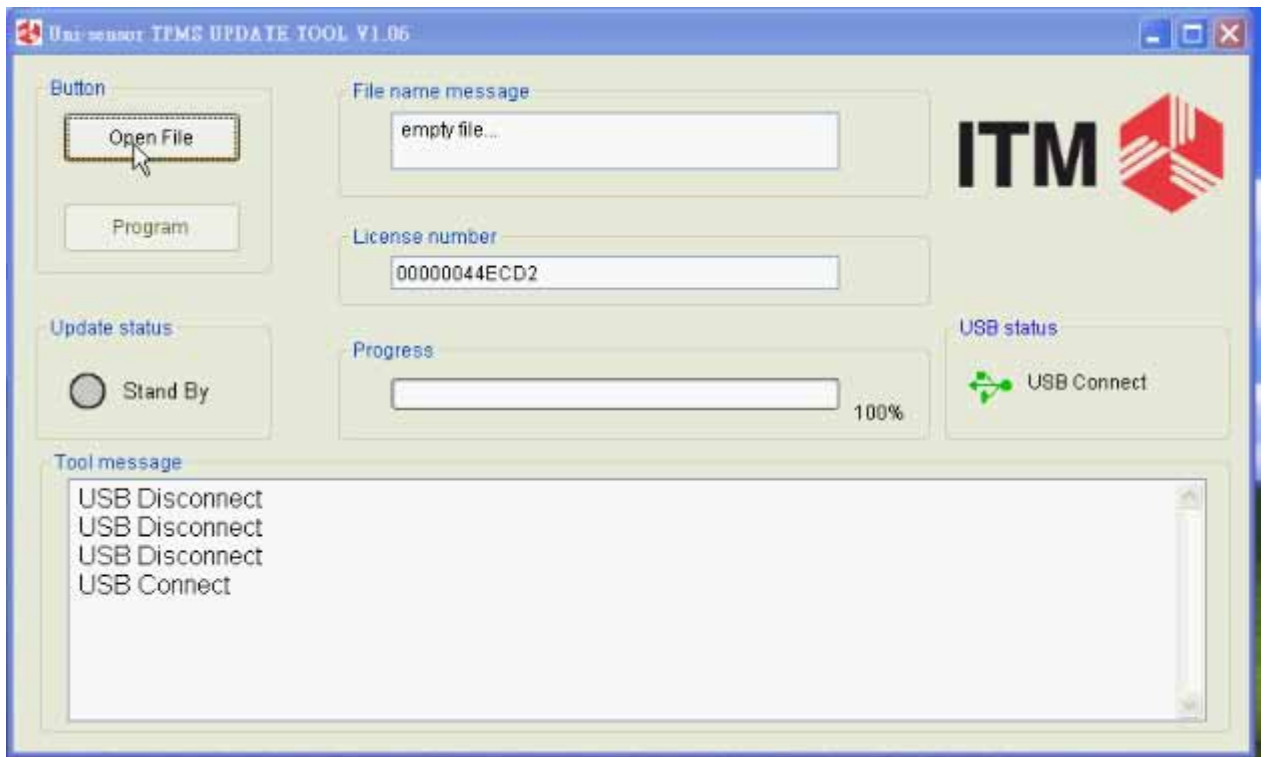
** Note Please read the license agreement carefully, and select " I accept the terms in the license agreement " and click " Next " to complete the software installation.



Software Update

Device Software Update

1. Connect the USB cable from Sensor AID to the PC, Clickon the ITM TPMS update icon to start the program.
2. The following screen appears, When you see USB connected, Click open file to select the newest update file you download from the web or the newest CD you obtain



3. Click program after the file is selected to start the update process.

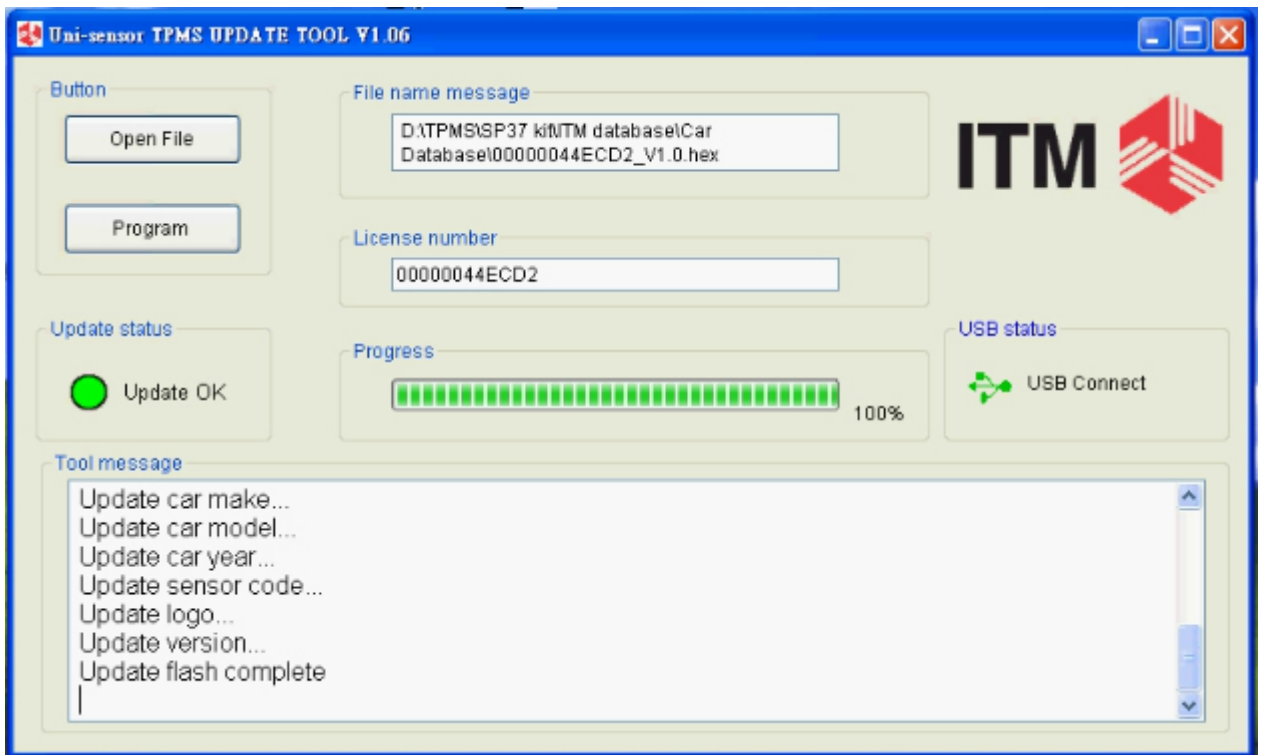
**** Note** Every device have it's unique license number, the software must match the license number to update.

Software Update

Device Software Update

4. The update process should look like the following window, the update status light will flash yellow light during the update.

5. when the update is complete the update status light will be solid green



** Note Every Device will be provided with 1 year free software update.

For the latest version of the software please visit

www.itmautoparts.com/TPMSupdate

ITM autoparts products are guaranteed from material defects for 365 days after the date of purchase. If the product fails under normal circumstances within the first year, ITM autoparts will repair or replace the product. Product will not be replaced or repaired if damaged from misuse or incorrect application. To obtain repair or replacement of the product under warranty, contact ITM autoparts at 1-310-225-5555. Proof of purchase and date of purchase is required to validate the warranty claim.

ITM autoparts is not liable for any direct or consequential loss or property damage arising from use of product.

Note: Warranty does not cover tire valves or screws for tire valves. The tire valves and screws need to be replaced when rotating tires, changing tires or changing the TPMS sensors. If installing/reinstalling a TPMS sensor, new valves and screws should be used.

Warning: Only use ITM autoparts replacement parts. Using other brands will not allow the system to work and will void the warranty.

FCC Statement

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 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.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority

to operate this equipment. . This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Notice

This device complies with Part 15 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.

IC Statement

The requirement is specified in RSS-GEN Section 5.3.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

sensorAID