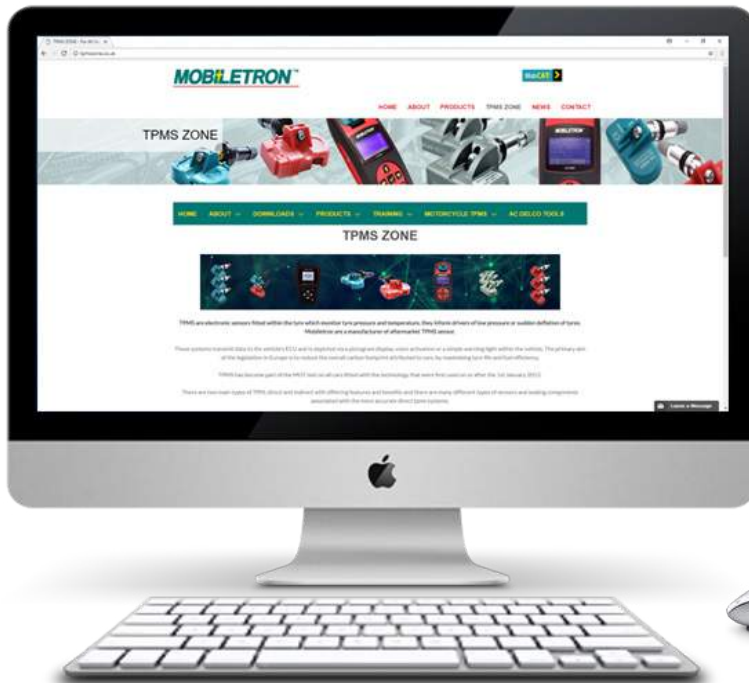# MOBILETRON™

AUTOMOTIVE ELECTRONICS

The Complete
TPMS Solution

- Universal TPMS Sensors and Programming Tool

- Accessories

- Pre-programmed Direct-Fit TPMS Sensors

- Training

TPMS ZONE

Our TPMS Zone website has been created as a comprehensive library of TPMS information. This website covers everything you will need to know about TPMS. On the site you will find helpful information such as:

- TPMS training
- Detailed product information
- Marketing materials
- Technical downloads
- Helpful tips
- Guidance videos

WWW.TPMSZONE.CO.UK

Mobiletron UK are a world leader in aftermarket automotive electronics manufacturing. We specialise in components for the automotive industry and export to over 100 countries worldwide. Our comprehensive range of engine management and rotating products include Ignition Coils, Charging Systems, Sensors and TPMS.

Our aftermarket TPMS products are manufactured and tested to the highest industry standards. As a global group our TPMS sensors are currently being supplied to the OE market in Asia and are now available in the UK and European aftermarket.

Our Direct Fit and Universal range are designed to replace the original sensors for the automotive aftermarket. All our sensors are available in 433 MHz and 315 MHz and cover over 96% of vehicle applications

Your one-stop source for TPMS replacement parts!

TPMS BUSINESS OPPORTUNITIES

Due to MOT regulations, there will be a natural requirement to maintain, repair and service TPMS sensors. The MORE Sensor range is designed to give businesses a competitive advantage.

▸ Additional revenue from the service, fitting and maintenance of TPMS systems

▸ Quick and easy to install - The same process as OE

▸ Wide coverage of vehicle applications

▸ Mobiletron TPMS sensors are a cost effective solution

▸ Reduced investment in stock holding with our Universal solution

MOBILETRON
MORE SENSORS

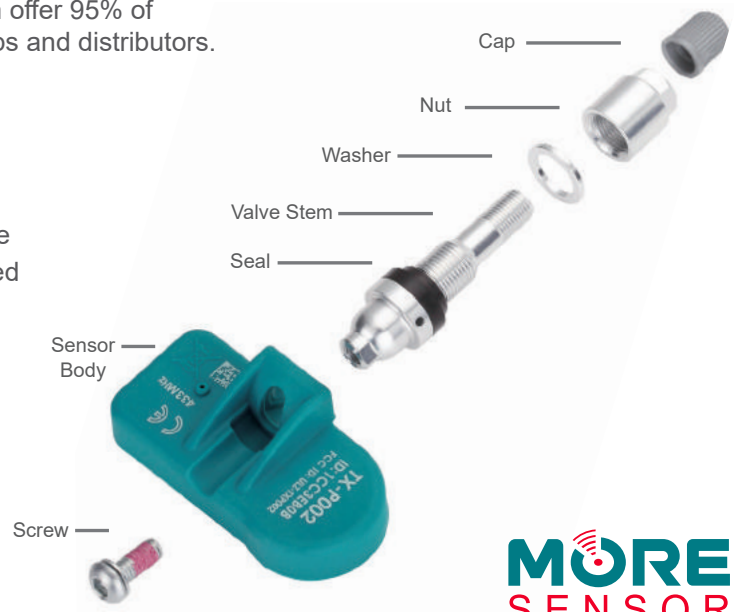| MORESENSOR SPECIFICATIONS	
Frequency	433 / 315 MHz
Pressure Range	Max. 116 PSI
Temperature Range	-40°C ~ 125°C
Operating Humidity	Max. 95%
Operating Temperature	-40°C ~ 105°C
Storage Temperature	-40°C ~ 125°C

ALL IN ONE SOLUTION...

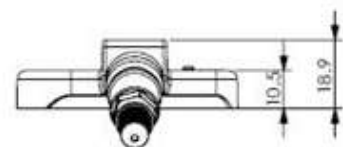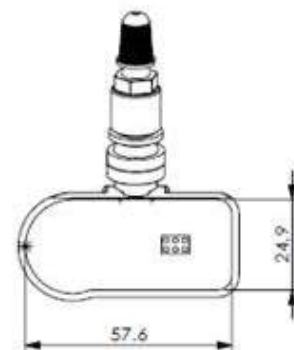The MORE Sensor and Programming Tool are Mobiletron's Universal TPMS sensor solution.

The blank MORE Sensors are infinitely programmable using our Programming Tool and are available in 433 MHz and 315 MHz with an option of Clamp-In and Snap-In valves. Two sensors can offer 95% of vehicle application which reduces inventory for workshops and distributors.

PRODUCT FEATURES

- Reduces stock holding - 2 sensors offer 95% coverage
- Infinitely reprogrammable; sensors can be programmed multiple times
- Fully compatible with all major TPMS scan tools
- Compatible with vehicles with WAL (Wireless Auto Location) TPMS systems
- Two piece design with removable stem
- Easy to fit, same process as OE
- 2 Year Warranty
- Up to 5 years battery life
- ISO/SAE/GB compliant

Cap
Nut
Washer
Valve Stem
Seal
Sensor Body
Screw

MORE
SENSOR

61.6

28.9

R15.10

24.9

57.6

18.9

10.5
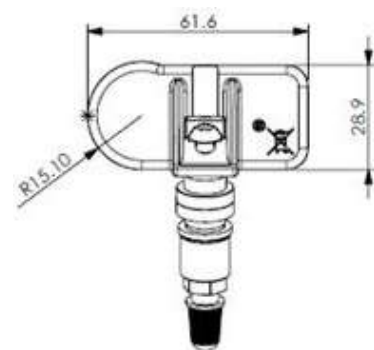
MOBILETRON PROGRAMMING TOOL

ALL IN ONE SOLUTION...

Our Programming Tool is specially designed to program our MORE Universal TPMS Sensors. The tool has 95% of vehicle applications stored and will program the sensors in less than 10 seconds.

It includes various features including a multi-lingual mode and clone function. The rubber casing has been specially designed to be robust enough for the workshop and is supplied in its own moulded plastic carry case.

Programming Tool Technical Specifications	
Power Supply	Built-In Lithium Battery
Charging Voltage	5V DC
Charging Current	Max. 1A
Charging Time	2.5 Hours
Operating Current	Max. 90mA
Display	128 x 64 Dot LCD Panel
Operating Temperature	-10°C ~ 35°C (Charging)
	-10°C ~ 55°C (Battery)
Storage Temperature	-20° ~ 85°C
Dimensions (LxWxH)	228 x 105.5 x 48.6 mm
Weight	475g

PRODUCT FEATURES

- Specifically designed to program the Mobiletron MORE Universal Sensor
- Programs MORE Sensors in less than 10 seconds
- Clone function provides the ability to clone an existing TPMS sensor ID, removing the need to perform the ECU relearn
- Covers 95% of vehicles fitted with a Direct TPMS system
- Backlit LCD display
- Robust and hard wearing rubberised casing
- Free software updates
- Multi-lingual options: 10 European languages
- 2 year warranty
- Additional accessories available

Power On/Off

Micro-USB Port for battery changing

USB Port only for software updates

PT46
DIAGNOSTIC TOOL

powered by **ATEQ**

DESIGNED FOR TPMS SENSOR ACTIVATION, PROGRAMMING AND ECU RESET.
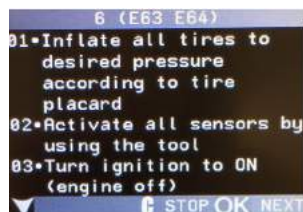
Optional OBD Module

- Convenient to use, ideal for beginner/intermediate users.
- All relearn information easily accessible in one location.
- Versatile with <u>optional</u> OBD module.
- 1 year of software included FREE.

EASILY ACCESSIBLE RELEARN INFOMATION

Find all relearn procedures to service the car on the easy-to-read, bright colour screen

The Mobiletron PT46 is a cost effective and easy to operate TPMS diagnostic tool, packed with essential features such as sensor activation, programming and ECU resets. Designed with mid-sized tyre specialists in mind, its simple colour interface guides the user when replacing and servicing TPMS sensors. With the addition of the optional OBD2 module, users can reset the ECU in less than 2 minutes.

6 (E63 E64)
01•Inflate all tires to
   desired pressure
   according to tire
   placard
02•Activate all sensors by
   using the tool
03•Turn ignition to ON
   (engine off)
▼ STOP OK NEXT

INCLUDED WITH THE KIT

- Provides TPMS sensor part numbers
- Selects vehicles via make, model, year look-up
- Interface and relearn procedures in 24 languages
- Checks Remote Keyless Entry signal
- Frequent database updates via PC desktop software
- Provides indirect, manual and auto relearn procedure information
- Easy to operate with ATEQ's icon interface and bright colour display
- Optional upgrade allows tool to program all leading universal aftermarket TPMS sensors
- Displays all sensor data in seconds: ID, tyre pressure, tyre temperature, battery status, etc.
- The optional OBD2 module gives access to OBD relearns for 60% of all car models worldwide

TECHNICAL INFORMATION

Size	(HxWxD) 220mm x 130mm x 37mm - (8.6" x 5" x 1.5")
Weight	0.62kg (1.37lb)
Screen	3.5" Screen
Power Supply	Lithium-Polymer Rechargeable Battery
Casing	Protective Rubber Sleeve
Radio Reception	315 and 433 MHz
Warranty	1 Year
24 Language Options	English, German, Italian, Spanish, Chinese, Japanese, French, Croatian, Czech, Danish, Dutch, Finnish, Hebrew, Hungarian, Korean, Norwegian, Polish, Portuguese, Russian, Romanian, Slovak, Slovenian, Swedish, Turkish.

With the **optional** OBD2 Module, users will be able to perform OBD2 relearn procedures, which are used by 60% of vehicles. Relearn can be completed in as little as 2 minutes.

Size (HxWxD)	114mm x38mm x 25.4mm (5.4" x 1.5" x 1")
Weight	0.09kg (0.2 lbs)
Warranty	1 Year

6660347
Software license (Mobiletron only) – 1 year of updates

6660316
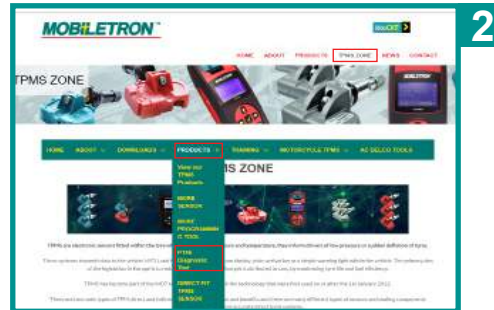Software license (All sensors) – 1 year of updates

6660255
Upgrade to enable all programmable sensors + 1 year of updates

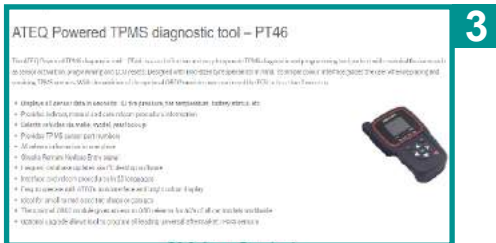# TRAINING: HOW TO UPDATE THE PT46 DIAGNOSTIC TOOL

5 simple steps to update the PT46 Diagnostic tool.

1 You will find the software update on the TPMS zone of our website, or you can go directly to www.tpmszone.co.uk.

2 Under the 'Products' tab, click on PT46 Diagnostic tool.

3 Scroll down to find 'PC Software Download'. Click this to start the download and then follow the instructions to finish the installation.

4 When the installation is complete, and the ATEQ WebVT window is open, plug in the PT46 and select the 'Update Tool' process.

5

Download status	
Software version	Up to date
TPMS database	Up to date
Programmable sensors	Up to date
Other content	

Once the update has finished, everything will state that it is up to date.

MOBILETRON
DIRECT-FIT SENSORS

Our Direct-Fit Sensors accurately communicate the tyre's pressure in real time to the vehicles ECU, this allows the TPM system to alert the driver of a low pressure or sudden deflation of the tyre.

The sensors are pre-programmed and ready to fit. They are available in 433 MHz and 315 MHz and cover 95% of vehicle applications.

Direct-Fit Specifications	
Frequency	433 / 315 MHz
Pressure Range	0 - 80 PSI (+/- 1PSI)
Temperature Range	-40°C - 155°C
Operating Humidity	Max. 95%
Operating Temperature	-40°C - 115°C
Storage Temperature	-40°C - 125°C
Dimensions	85.5 x 61.5 x 20.5 mm
Weight	45g
Adjustment Angle	0 - 40 Degrees

PRODUCT FEATURES

- Direct-Fit OE Replacement
- No specialist training required
- Pre-programmed to reduce installation times
- Easy to fit - same process as OE
- 2 year warranty
- Compatible with all major TPMS scanning tools
- IS0, SAE, GB compliant
- 95% vehicle application coverage
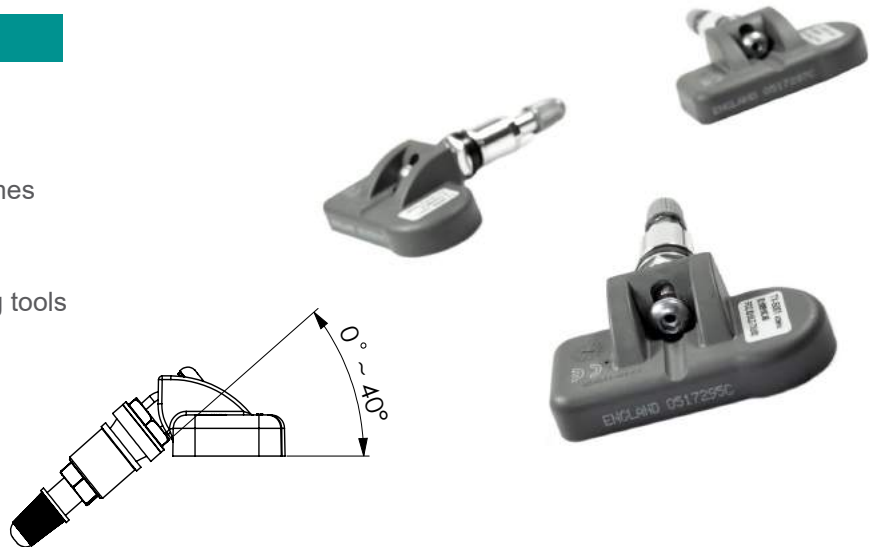
0° ~ 40°

TRAINING: HOW TO FIT TPMS SENSORS

Our Universal and Direct-Fit Sensors are fitted in exactly the same way. They are easy to fit and follow exactly the same process as OE. Follow the 6 simple steps:

1 Release air from the tyre by removing the valve. Place the wheel on the tyre changing machine and break both beads. Ensure the sensor is on the opposite side of the breaking bead.

2 Place the wheel on the turntable and demount the tyre. The sensor can then be removed.

3 Once sensor is removed clear stem hole of any dirt. Remove washer, nut and cap from the new sensor. Install new sensor through the rim hole. Insert the stem then place washer, followed by the nut, back on the valve. Tighten the nut to 4Nm.

4 Locate the sensor body on to the other end of the valve stem. Hand-tighten to secure and then tighten the connecting screw to 2.2Nm.

5 Reinstall the tyre, making sure no contact is made with the new sensor to prevent damage. The tyre, complete with TPMS sensor, is now ready for inflation to the correct PSI level.

6 Finally, follow the manufacturer's standard re-learn procedure. **(check vehicle handbook)**

TRAINING: HOW TO PROGRAM MOBILETRON'S MORE SENSORS

The MORE Sensor and Programming Tool are simple and easy to use, the sensors can be programmed in 10 easy steps, reducing installation times:

1
Place sensor in the Programming Tool

2
Turn on the Programming Tool

3
Main Menu - Select Vehicle

4
Select Make and Model

5
Select Year

6
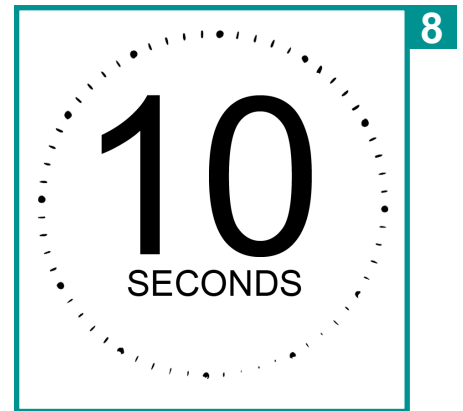Select Frequency and Part Number

MORESENSOR

6

Sensor I.D -
Create new I.D

7

Sensor Program
Press 'P' to start

8

Programming complete in
less than 10 seconds

9

Programming successful

Your sensor is ready to fit!

Scan the QR code to watch the video
on how to program our MORE Sensors
using the Programming Tool.

OPTIONS

We have developed our products to ensure maximum flexibility. The full range includes TPMS Sensors, Programming Tool, PT46 Diagnostic Tool, Replacement Valves and Accessories.

MORE SENSORS

Part No.	TX-P001
Frequency	315 MHz
Dimensions (mm)	78.5(L) x 30.8(W) x 19(H)
Application	American, Asian, Others
Weight (Valve Included)	46g
Adjustment Angle	0 - 40 Degrees

Part No.	TX-P002
Frequency	433 MHz
Dimensions (mm)	78.5(L) x 30.8(W) x 19(H)
Application	European
Weight (Valve Included)	46g
Adjustment Angle	0 - 40 Degrees

Part No.	TX-P003
Frequency	315 MHz
Dimensions (mm)	81(L) x 29(W) x 19(H)
Application	American, Asian, Others
Weight (Valve Included)	36.5g
Adjustment Angle	N/A

Part No.	TX-P004
Frequency	433 MHz
Dimensions (mm)	81(L) x 29(W) x 19(H)
Application	European
Weight (Valve Included)	36.5g
Adjustment Angle	N/A

MORE SENSOR VALVES

CLAMP-IN

Part No.	TX-V003
Application	Universal Sensor
Valve Length	51.2 mm
Nut Torque	36 in-lb (4 Nm)
Screw Torque	20 in-lb (2.2 Nm)

SNAP-IN

Part No.	TX-V004
Application	Universal Sensor
Valve Length	55.5 mm
Screw Torque	3.9 in-lb (0.44 Nm)

DIRECT-FIT SENSOR

Part No.	TX-S.. (Contact Us)
Frequency	433 MHz
Dimensions (mm)	85.5(L) x 61.5(W) x 20.5(H)
Application	3.9 in-lb (0.44 Nm)

Part No.	TX-S.. (Contact Us)
Frequency	315 MHz
Dimensions (mm)	85.5(L) x 61.5(W) x 20.5(H)
Application	American, Asian, Others

DIRECT-FIT SENSOR VALVE

CLAMP-IN

Part No.	TX-V001
Application	Direct Fit
Valve Length	48 mm
Nut Torque	36 in-lb (4 Nm)
Screw Torque	20 in-lb (2.2 Nm)

PROGRAMMING TOOL

Part No.	TX-PT001EU
Includes	- Programming Tool - USB Cable - Power Adapter (EU) - User Manual - Blow Moulded Plastic Case - Snap-In Adapter

Part No.	TX-PT001UK
Includes	- Programming Tool - USB Cable - Power Adapter (UK) - User Manual - Blow Moulded Plastic Case - Snap-In Adapter

SNAP-IN ADAPTER (TX-ADSNAP)
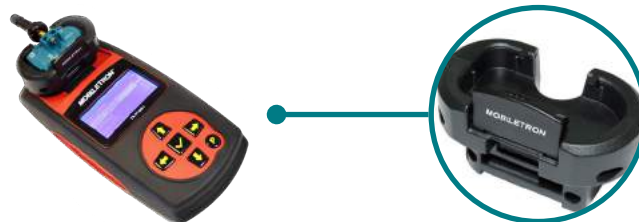
The Snap-In adapter provides the ability to program Mobiletron's Snap-In sensors using our existing programming tool. The adapter can also program Mobiletron's Clamp-In sensors and enables the user to program our TPMS sensor without the need to remove the valve from the sensor.

This new universal feature makes the functions of programming and fitting the sensors much more efficient.

ATEQ ADAPTER (TX-ADATEQ)

⚠ **Connect the adapter to the tool before programming**

You can now program Mobiletron's MORE Sensors with ATEQ's Diagnostic Tools!

The ATEQ Adapter is one of Mobiletron's newest development and it allows users who have the main diagnostic tool manufactured by ATEQ to program Mobiletron's MORE sensors.

PT46 DIAGNOSTIC TOOL

Includes:
PT46 KIT
Charger Cable
USB Cable
ATEQ Adapter **
UK, EU & American Plug
** sensor not included

With the **optional** OBD2 Module, users will be able to perform OBD2 relearn procedures, which is used by 60% of vehicles. Relearn can be completed in as little as 2 minutes.

For more information please contact our sales team by either email or by phone:

sales@mobiletron.co.uk   +44 (0) 1772 693 780

Visit our website: **www.tpmszone.co.uk**

PROGRAMMING TOOL

Q: Is the Mobiletron Programming Tool multilingual?

A: The Programming Tool includes 10 European languages (English, German, French, Spanish, Italian, Portuguese, Polish, Romanian, Russian and Dutch)

Q: Are software updates free of charge?

A: Yes, software updates will be available free of charge for the life of the tool.

Q: How will software updates be downloaded and how will they be installed?

A: Quarterly updates will be made available through our website (**www.tpmszone.co.uk/downloads**).
Download the software onto a USB device and insert it into the USB port on the Programming Tool.
To complete the installation use the "USB Update" function from the "Main Menu" of the tool.

Q: Is the Mobiletron Programming Tool compatible with other brands of sensor?

A: Our Programming Tool has been designed specifically to work with Mobiletron's MORE Sensors.

Q: Is the Programming Tool serviceable i.e. Can it be repaired?

A: Yes, if the tool is within warranty it can be repaired free of charge. However, if the tool is out of warranty there will be a repair charge.

Q: Can accessories be purchased separately, such as the USB cable and charger adapter?

A: Yes, accessories can be purchased separately and will have their own part numbers.

SENSORS

Q: Can the ATEQ and Snap-In adapters work with both Clamp-In and Snap-In TPMS sensors?

A: Yes, our ATEQ and Snap-In adapters are designed to work with both Clamp-In and Snap-In sensor types. Both adapters will also allow you to program the sensors with and without the valve installed to the sensor.

Q: Are Mobiletron TPMS sensors compatible with the industry's main TPMS scan tools?

A: Yes, Mobiletron's TPMS sensors are designed to communicate with all of the main TPMS scan tools.

Q: Why is Mobiletron not listed as an option in the "Program" section on ATEQ tools.

A: Mobiletron will appear as an option in this list once the ATEQ Adapter has been connected to the ATEQ tool.

Q: Can MORE Sensors be programmed by other TPMS scan tools?

A: Mobiletron's MORE Sensors can now be programmed with ATEQ's Diagnostic Tools! The ATEQ Adapter allows users who have the main diagnostic tool manufactured by ATEQ to program Mobiletron's MORE sensors.

Q: Are Mobiletron TPMS Sensors compatible with vehicles with Wireless Auto Location (WAL) TPMS systems?

A: Yes, Mobiletron's MORE Sensors and Direct-Fit Sensors are compatible with vehicles with a WAL TPMS system.

Q: How are Mobiletron's TPMS sensors programmed?

A: Mobiletron's MORE Sensors are infinitely reprogrammable using the Programming Tool and our Direct-Fit Sensors are pre-programmed - ready to fit!

Q: Are Direct Replacement TPMS sensors easy to fit?

A: There is no specialist training required. The fitting process is the same as OE. Fitting instructions are on the **'How To Fit TPMS Sensors'** page and on the same page there is a QR code which will take you to a more in-depth video.

Q: Will clamp-in and snap-in valves be supplied separately?

A: Both metal clamp-in and rubber snap-in valves can be supplied separately. **See 'Options' page.**

Q: How long is the warranty period?

A: All of Mobiletron's products are covered with a 2 year warranty. The typical battery life of our TPMS sensors is 5 years.

CONTACT YOUR NEAREST STOCKIST