

TDR100
Tread Reading Tool

User Guide



LIST OF CONTENTS

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| LIST OF CONTENTS | 2 |
| IMPORTANT NOTICES..... | 3 |
| SAFETY PRECAUTIONS | 4 |
| TOOL LAYOUT | 6 |
| FITTING BATTERIES..... | 7 |
| POWER ON | 8 |
| CONNECTING TO THE TPMS TOOL VIA NEW SERVICE – MMY..... | 9 |
| REGISTRATION | 11 |
| CALIBRATION | 11 |
| CORRECT USE OF THE TOOL..... | 12 |
| TAKING A TREAD READING..... | 13 |
| TECHNICAL SPECIFICATION | 15 |

IMPORTANT NOTICES

SAFETY DEFINITIONS

All **Danger**, **Warning**, **Important**, and **Note** messages must be followed for your safety. These safety messages are in the following form



DANGER: Means you may risk possible loss of life.



WARNING: Means you may risk possible bodily harm.

CAUTION: Means you risk damage to the vehicle or the tool.

These safety messages cover situations Bartec is aware of. Bartec cannot know, evaluate and advise you as to all the possible hazards. You must be certain that any conditions or service procedures encountered do not jeopardise your personal safety.

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DISCLAIMER

All information, illustrations, and specifications contained in this technical instruction manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without obligation to notify any person or organization of such revisions or changes. Further, Bartec shall not be liable for errors contained with the furnishing, performance or use of this material.

SAFETY PRECAUTIONS

Read carefully the installation and operating instructions in the User manual.

Do not allow unqualified persons to use this equipment. This will prevent injury to persons and damage to the equipment.

The work place must be dry, sufficiently lit and well ventilated.

Do not forget that breathing carbon monoxide (odourless) can be very dangerous and even fatal.

WHEN WORKING ON THE VEHICLE

- Wear suitable clothing and act in such a way as to prevent industrial accidents.
- Before starting, check to be certain the gear shift is in neutral (or in PARK (P) if the transmission is automatic) and put the handbrake on and check to be sure the wheels are completely locked.
- Do not smoke or use naked flames when working on a vehicle.
- Wear safety glasses to protect your eyes from dirt, dust or metal chips.

DISPOSING OF EQUIPMENT

- Do not dispose of this equipment as miscellaneous solid waste but arrange to have collected separately.
- The re-use or correct recycling of electronic equipment (EEE) is important in order to protect the environment and human health.
- In accordance with European Directive WEEE 2012/16/EU, special disposal points are available for waste electrical and electronic equipment.
- Public administrators and producers of electrical and electronic equipment are involved in facilitating the re-use and recovery of waste electrical and electronic equipment through these collection activities and use of appropriate planning arrangements.
- Unauthorised disposal of waste electrical and electronic equipment is punishable by law with appropriate penalties.



BATTERIES

- The TDR100 contains 2 x AAA batteries which are replaceable.



WARNING

- **CAUTION:** Risk of fire or explosion if the battery is replaced by an incorrect type.
- Batteries must be recycled or disposed of properly. Do not throw batteries away as part of normal refuse disposal.
- Do not throw batteries on to an open fire.

CORRECT USE OF THE TOOL

- Do not expose the tool to excessive moisture.
- Do not use the tool near sources of heat or polluting emissions (stoves, ovens, etc.).
- Do not drop the tool.
- Do not allow the tool to come into contact with water or other liquids.
- Do not open the tool or attempt to perform maintenance or repair operations on any internal parts.
- You are advised to keep the packaging and to re-use it if the tool is moved to another site.

POLLUTION DEGREE 2

Only non-conductive POLLUTION occurs except that occasionally a temporary conductivity caused by condensation is expected.

WHEN USING THE TOOL REMEMBER:

Do not subject the tool to magnetic or electric interference.

RECEPTION, MAINTENANCE, AND GUARANTEE:

Inspect the tool when delivered. Damage sustained during shipment is not covered by the guarantee. Bartec will accept no responsibility for material or bodily harm resulting from inappropriate use of the product, failure to maintain it, or incorrect storage conditions.

Bartec provides training for clients desirous of acquiring the knowledge required for the correct use of its products.

Only personnel authorized by Bartec are permitted to make any repairs that may be necessary. This tool is guaranteed against any manufacturing fault for 12 months as of the date of invoice (parts and labour) only if the product has been correctly used. Serial number must stay readable, and proof of purchase must be retained for presentation upon request.

Manufacturer's name : Bartec Auto ID Ltd

Manufacturer's address:

Unit 9 Redbrook Business Park

Wilthorpe Road

Barnsley

S75 1JN

Tel: +44 (0) 1226 770581

Authorised Representative: Bartec Auto ID GmbH

Authorised Representative address: Bartec Auto ID GmbH

August-Thyssen-Str. 23-25

56070 Koblenz

Deutschland

Tel: +49 (0) 261 988 886 82

CLEANING:

It is recommended to clean the tool with a damp cloth.

TOOL LAYOUT

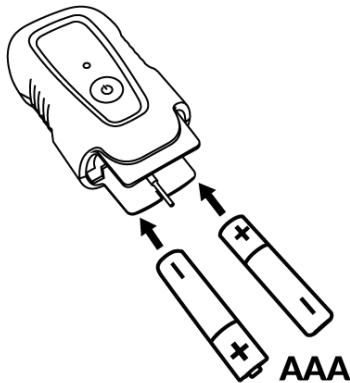
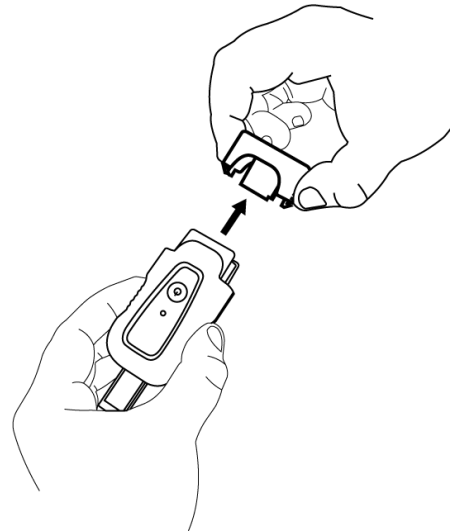


FITTING BATTERIES



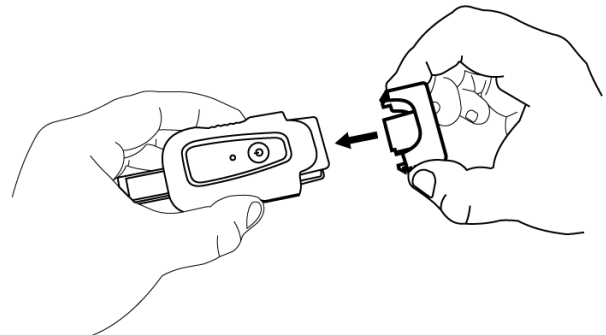
1. Remove the end cap by pressing in firmly at either side of the end cap.

2. Pull outwards to release the end cap from the Tool.



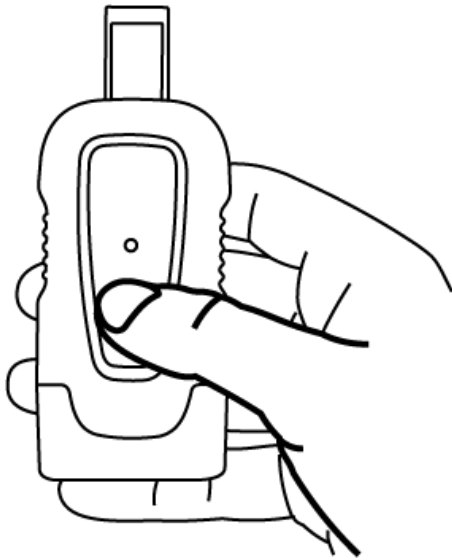
3. Insert the batteries as shown.

4. Press firmly on either side of the end cap, align the casing & push inwards until it clicks into place.

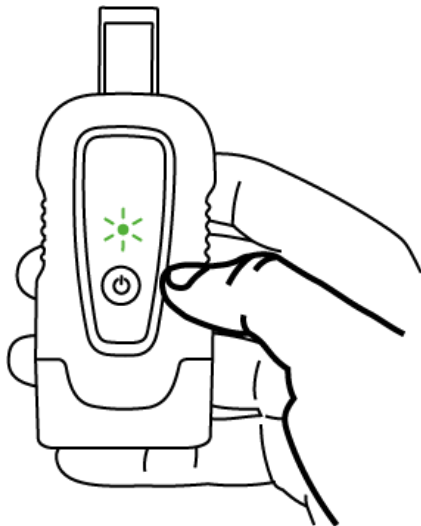


PLEASE NOTE - The Tool light will be solid **RED** when the battery is low and will flash **RED** when the battery is critically low, at this point it is recommended to replace the batteries.

POWER ON



1. Press the power on/off button.



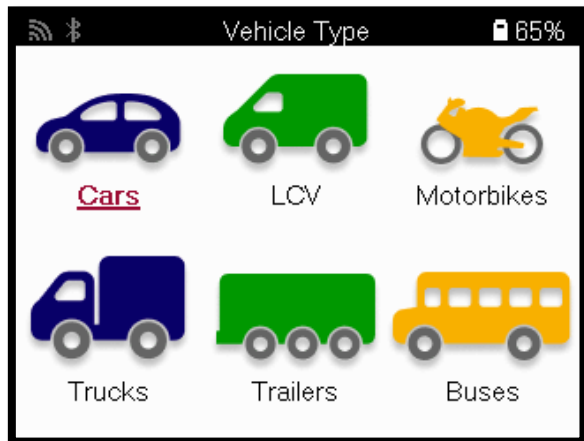
2. The GREEN power light will show when turned on.

Note, to conserve battery, the Tool will automatically power off if the tread depth measurement reading does not change for a period of 30 seconds. In this case, press the power button to turn the Tool on again.

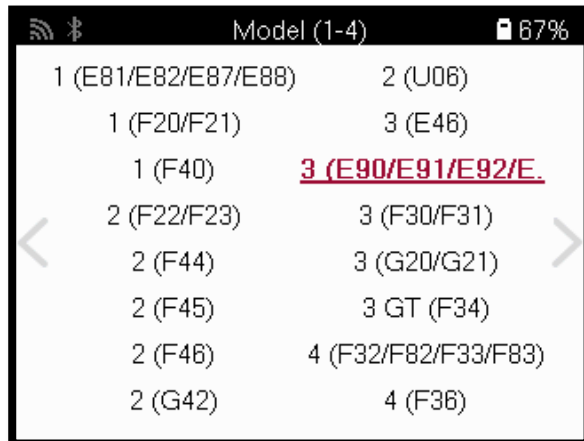
CONNECTING TO THE TPMS TOOL VIA NEW SERVICE – MMY

Make sure your TPMS Tool has version 6.0 software or higher. If not, then you must update the software of your TPMS tool before connection can be made.

On the TPMS tool, select the New Service option from the home screen, followed by the Vehicle Type.



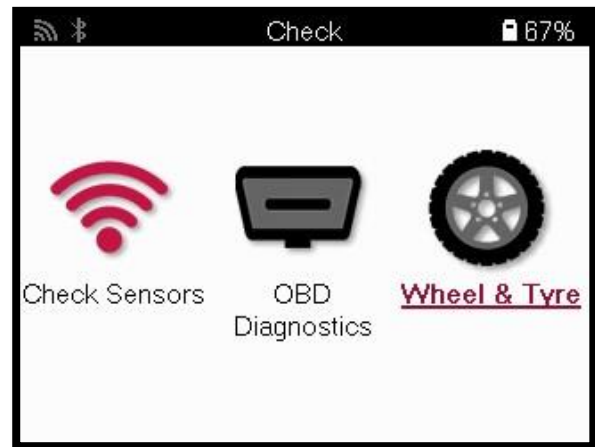
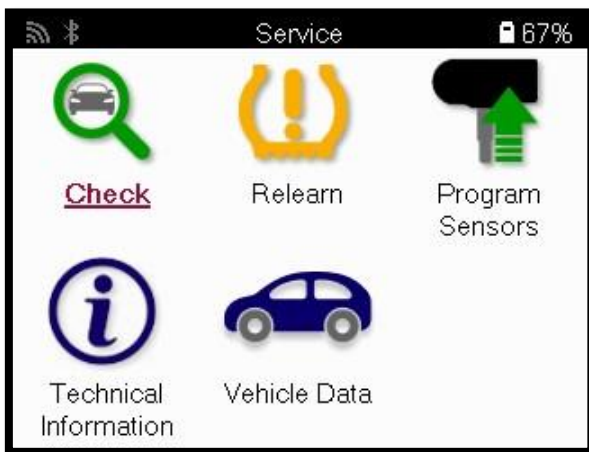
Then select your Make, Model, and Year from the following screens.



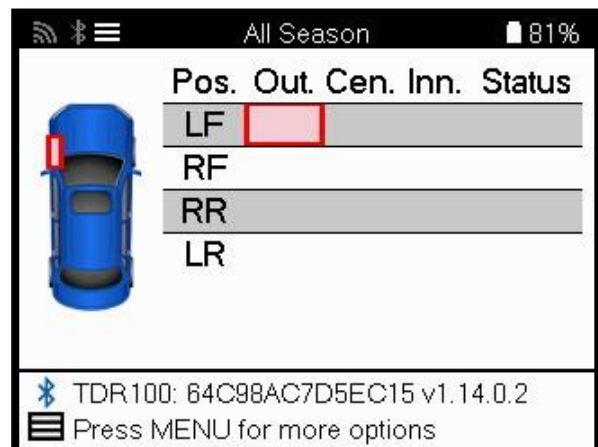
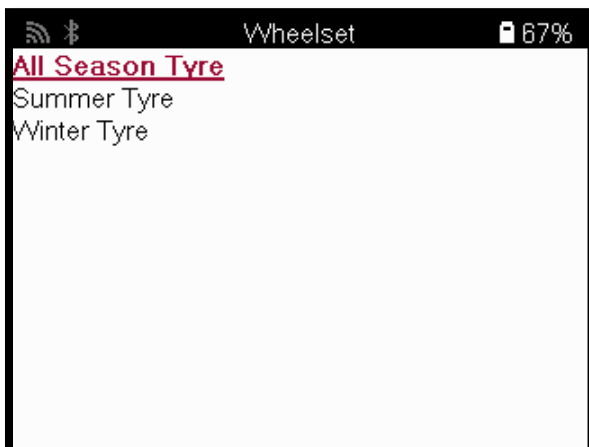
Depending on the vehicle you are working on, you may be asked to select a qualifier, such as Indirect or Direct TPM system.



This will take you to the Service screen where you will then need to select the Check option followed by the Wheel & Tyre option.



Finally, you will need to select which tyres you are working with then you are ready to start your readings, Power the Tread tool on. The Tread tool will automatically connect to the TPMS tool. If you have multiple Tread tools, check that the serial number shown matches with the label on the back of the Tool you are using.

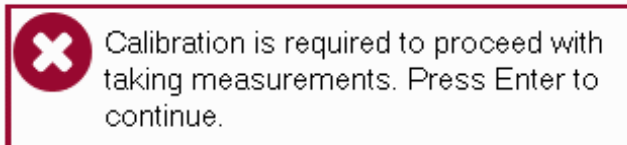


REGISTRATION

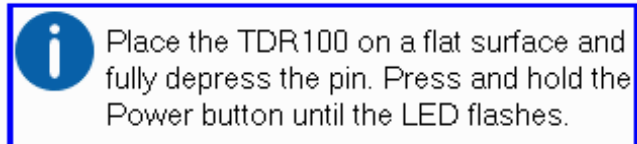
Following a service and transferring of data, your Tool will automatically be registered to the account that your TPMS tool is registered to.

CALIBRATION

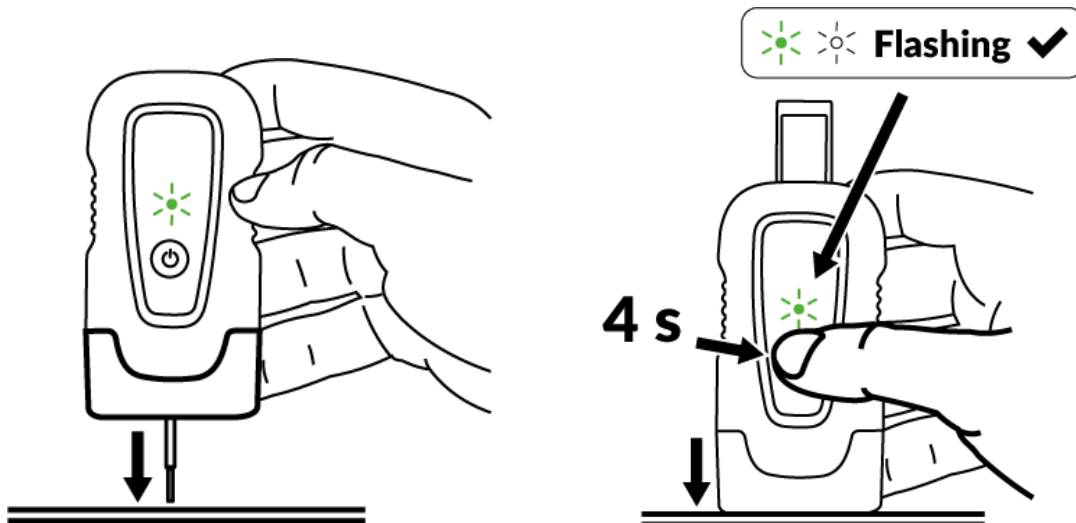
This message will appear on the TPMS Tool when you first use the Tool, and when the Tool needs calibrating.



This message will then appear when you press Enter on your TPMS Tool.



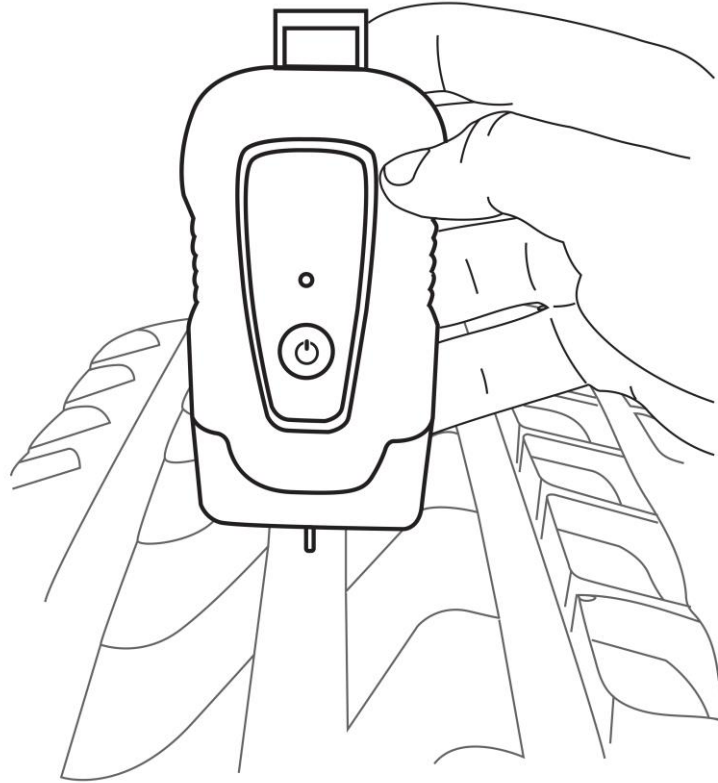
Put the tool onto a flat surface, so that the tread pin is pushed in. Press & hold the power on/off button for 4 seconds or until the GREEN power light flashes.



CORRECT USE OF THE TOOL

Before taking a tread reading, ensure the pin is pushed out by pressing the manual tread gauge down.

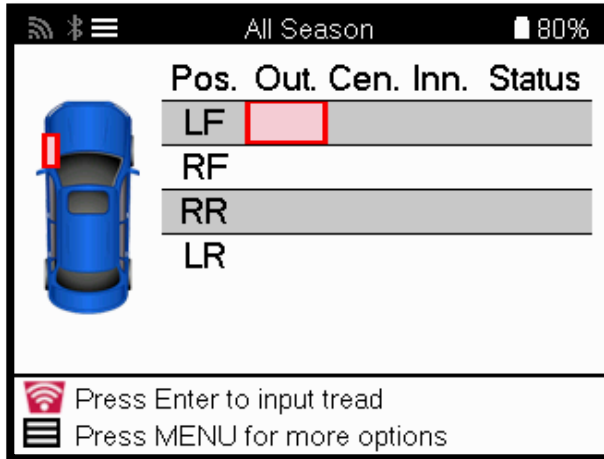
Once the pin is in position press the Tool down so that it is flat to the tyre.



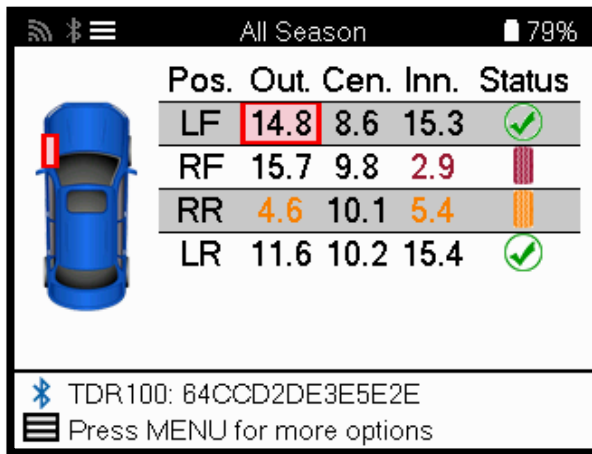
TAKING A TREAD READING

Follow the sequence indicated on the TPMS Tool, starting at the Left Front (LF) Tyre. Position the Tool correctly on the outer edge of the tyre, the Tool will BEEP when the reading has been taken. After reading, repeat the process for each position.

The number of tread measurements to take can be changed from 3 to 1 within the Tread settings of the TPMS tool.



As you read the tread depths, the measurement will appear on the Tread Inspection screen of the TPMS Tool & store the data for the Tyre shop & customer information.









The readings are color-coded.

RED -Tyre tread is low and immediate replacement is recommended.

AMBER -Tyre is worn and is recommended to replace soon.

GREEN - Tyre tread is OK.

After entering the measurement for each wheel, you will be prompted to select one of the following statuses:

| | |
|---|--------------------------------------|
|  | <p>Damaged Tyre</p> |
|  | <p>Damaged Wheel</p> |
|  | <p>Worn Tyre</p> |
|  | <p>Aged Tyre</p> |
|  | <p>Questionable Condition</p> |
|  | <p>OK</p> |

TECHNICAL SPECIFICATION

| | |
|-------------------------------------|--|
| Working environment | Temperature 0°C - 40°C, Humidity: 20-55% |
| Storage environment | Temperature -10°C - 50°C, Humidity: 20-60% |
| Dimensions | 115.6 x 46.3 x 27mm |
| Weight (Including batteries) | 75.8g |
| Operating voltage | 2-3.6v |
| Battery requirements | 2 x AAA |
| Operating altitude | <3000m |
| Maximum power consumption | 33mW |

Radio frequency bands in which this equipment operates:
2.4GHz - 1mW maximum power output.

Simplified EU Declaration of Conformity

Bartec Auto ID Ltd hereby declares that this device is in compliance with the essential requirements and other provisions of Directive 2014/53/EU (RED).

The full text of the EU Declaration of Conformity is available at:

<https://www.bartecautoid.com/pdf/declaration-of-ce-conformity-tdr100-english.pdf>