

TPM-02

TPMS SENSOR REPROGRAMMING AND DIAGNOSIS TOOL



UNIVERSAL SENSORS THAT CAN BE PROGRAMMED WITH TPM-02



Made in Italy

Azienda con sistema di gestione per la qualità certificato da BV UNI EN ISO 9001:2008



TPM-02

TPMS SENSOR REPROGRAMMING AND DIAGNOSIS TOOL

From 1 November 2014 all new cars shall be provided with the TPMS system to monitor the tyre pressure. To adequately take this opportunity the operators must have a specialised and universal tool. Tecnomotor offers the right solution with TPM-02, **a device designed to detect the TPM sensor pressure and reprogramme/check universal sensors.**

TPM-II will be an indispensable tool to:

- check sensor operation before tyre maintenance;
- determine correct operation of the TPMS system
- determine the reason why the "Tyre pressure" (TPMS) warning light comes on;
- make sure that the sensor provides accurate pressure and temperature readings;
- activate safe and fast repair actions with reference information (such as rotation torque values or parts codes) always available to avoid damage because of incorrect procedure;
- program/test programmable universal/multiprotocol sensors, for replacement of a faulty OEM sensor;
- code the vehicle control unit after replacing a sensor;
- indication of the operations to be performed in case of sensor replacement.

TPM-02 FUNCTIONS



- **UNIVERSAL SENSOR PROGRAMMING.** With this function it is possible to duplicate an old sensor using a programmable universal sensor to replace broken and/or faulty TPMS sensor. This procedure programs the universal sensor with the specific firmware and identification code (ID) of the original TPMS sensor.



- **VEHICLE APPROVAL/DELIVERY** [tyre maintenance]. During vehicle acceptance or delivery, the EASYCHECK VEHICLE TEST function allows checking the correct operation of the sensors and the **electronic control unit** that manages them.



- **SENSOR TECHNICAL SPECIFICATIONS.** They are directly available on the tool of technical data required for the repair, including the TIGHTENING TORQUE to fix the sensor on the rim and the sensor on the valve. Indicated are also all the original spare part codes.



- **CUSTOMER/VEHICLE MANAGEMENT.** The tool can be connected to a PC and with the supplied software (**also via Bluetooth**):
 - print the test results and store them on the PC;
 - Display the procedure for learning new sensors from the dashboard;
 - update the tool;



new

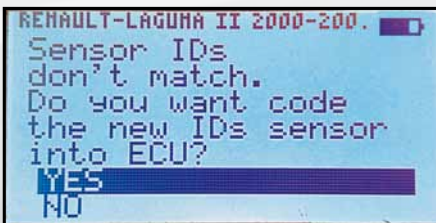
OBD KIT FOR THE SENSORS REPROGRAMMING IN THE CONTROL UNIT

OBD kit supported functions

With the OBD reprogramming kit it is also possible to **reprogram the identification code of sensors** on the vehicle directly from the diagnosis socket.

1. Sensor reprogramming
2. Fault code reading/clearing
3. **EASY procedure for sensor and control unit testing and alignment.**
4. **Reading of ID codes in the control unit to clone unreadable sensors.**
5. Indication of the diagnosis socket position.

new



- Sensor **TEACH-IN PROCEDURE** from the dashboard directly on the tool.



- **PRINT** of the operations performed by means of the **WIRELESS** printer.



- **EUROPEAN AND USA DATABASE INCLUDED.**

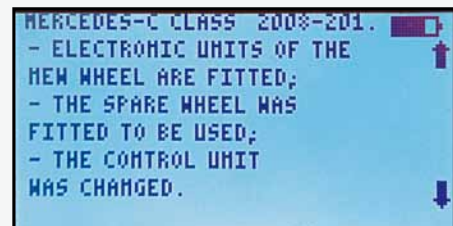



- **BLUETOOTH** class 1 (300 m) for wireless communication with:
 - PC. Wireless communication between TPM-2 and PC with TPMS Manager software.
 - Thermal printer. To print the test results directly.



COMPLETE INTEGRATION with the Socio Collection diagnosis.

new



Phone no	VAT no.	
Fax		
E-Mail		
Vehicle Data:		
Brand: BMW	License plate:	
Model: 1 SER. COU (E82007-2010)	Km:	
Customer Data:		
Surname:	Name:	
Test Vehicle:		
Front Left Sensor: ID Code: 30E348E Pressure: 0.0 bar Temperature: 21.0 °C Battery: OK Sensor type:		Front Right Sensor: ID Code: 42B784E Pressure: 0.0 bar Temperature: 21.0 °C Battery: OK Sensor type:
Rear Left Sensor: ID Code: 48DA437 Pressure: 0.0 bar Temperature: 21.0 °C Battery: OK Sensor type: Sens. II		Rear Right Sensor: ID Code: 1F5A381 Pressure: 0.0 bar Temperature: 21.0 °C Battery: OK Sensor type:
EXPIRY Km:		EXPIRY DATE:
Notes:		
Result: Positive	Operator:	
<small>Test Date and Time: 30/06/2018 10:38:58</small>		

TECHNICAL SPECIFICATIONS

TPM-02

- **Bluetooth: class 1 (300 m) with integrated antenna**
- **Dimensions and weight:** 160 x 84 x 33 mm - 0.325 Kg
- **LCD:** Graphic 128 x 64 pixel, 3 inch, **transflective (for an optimal viewing even with direct sunlight).**
- **Lithium Batteries:** duration of more than 1 week with 30 vehicles tested/day.
- **Battery charging system:** with protected jack socket and feeder.
- **7 button keypad.**
- **SD Memory card** (8 GB).
- **Acoustic and vibrating indicators.**
- Stamped rubber non-removable **impact protection.**
- **Protection against environmental factors** (IP54).
- **Language:** Italian, English, French, Spanish, Portuguese, German, Dutch, Polish, Czech, Slovene, Swedish, Norwegian, Finnish, Croatian, Danish and Hungarian.
- **Sensor diagnosis:** ID code of the sensor, pressure, temperature, battery level, acceleration, internal sensor status.
- **USB port** for PC connection and USB mass storage. Driver Windows XP and Windows 10, 7 and 8.
- Database update through PC **directly online.**
- Reception frequency: 300÷950 MHz.
- Operating temperature: 0÷50 °C.

OBD KIT

- Protocols supported: ISO 11898 CAN-ISO9141 K/L - ISO 14230.
- Communication software specific to each vehicle control unit.
- Power supply directly from diagnosis socket.
- **Dimensions and weight:** 78 x 45 x 22 mm - 0.125 Kg

12 Months

Upgrade INCLUDED

STANDARD EQUIPMENT

A > Tool, Feeder, USB cable and CD ROM

ACCESSORIES

- B** > **8-51100035** Bluetooth printer
- C** > **8-64500013** OBD kit for programming and diagnosis

SPECIAL CONFIGURATION

- C + D** > **601500139** **TPM-02 + Kit E0BD***

* carrying case included



B

SERVICES

- **6015000820** -> Annual subscription of sensor diagnosis software and programming of universal sensors supported by Tecnomotor.
- **6015000821** -> Annual subscription of sensor diagnosis software and programming of universal sensors and reprogramming and sensors in control unit (with OBD kit)

 **TECNOMOTOR**®



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NEXION SPA - ITALY - Società unipersonale soggetta a direzione e coordinamento di Minio srl - A sole shareholder Minio company
e-mail: commerciale@tecnomotor.it