

TPMS Solutions



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TEXA

European legislation requires that from 1st November 2014, all vehicles destined for the transport of passengers must be equipped as standard with TPMS (Tyre Pressure Monitoring System).

TEXA has led the world in vehicle diagnostics for over twenty years and has developed four excellent solutions for performing the various operations required by modern tyre pressure monitoring systems. The TPS is TEXA's basic tool for tyre-related operations; the brand new TPS 2 is specially designed to satisfy the needs of the modern tyre fitter; the AXONE S TPS/FAST-FIT is the top of the range solution for tyre operations; and the TPS KEY is dedicated to TEXA customers who already own an AXONE Nemo or AXONE 4 Mini.









BASIC
Solution

TPS

The entry level tool for working with tyres

The TPS (Tyre Pressure Service) is TEXA's basic solution for tyre-related service operations. The TPS boasts an exceptional coverage of makes and models as well as TEXA's traditionally robust design and build quality.

Once you have selected the make and model of vehicle, the TPS unit can communicate with the valve sensors on each wheel. Placing the tool near the sensors allows you to activate them and check their efficiency even if they are in stand-by mode at the time. The tool's own display reads out pressure, temperature and battery charge level (where available), as well as the relevant identification codes and all other diagnostic information provided by the vehicle manufacturer.

The procedure is made simple by a highly intuitive menu that guides you through all options step by step.

The TPS lets you check the condition of the sensors and replace them if necessary. The tool's own built-in database provides a list of compatible spare parts for each selected vehicle. TEXA's vast database also provides other items of valuable information, including correct procedures for rotating tyres.

If a sensor is replaced by a universal spare part, the standard TPS tool can even program the new sensor to assign it the same identification code as the old one and link it to the receiver or vehicle control unit.

Annual subscriptions are available for users wishing to receive the latest make and model updates from TEXA.





NEW

TPS 2

A complete tool for all the needs of a tyre specialist, even future ones

The TPS 2 is specially designed for use by tyre fitters and for the complete, professional maintenance of TPMS systems. Its most obvious characteristics include robustness, speed and user-friendliness. To obtain an immediate reading of a tyre pressure sensor, all you need to do is place the tool near the tyre.

The TPS 2 boasts a generous, high resolution colour display that makes reading data and using the tool easy, even in bright sunlight. A built-in Wi-Fi module also allows users to configure and connect to a network for downloading software updates and managing additional functionalities. The TPS 2 comes with Dual Mode Bluetooth for rapid communication with the TEXA interface connected to the vehicle and with a printer. This advanced connectivity also allows the TPS 2 to communicate with the latest low energy TPMS sensors.

The TPS 2 boasts 4 GB of internal memory and a micro-SD slot for memory expansion. This impressive memory capacity lets you save and recall as needed, reports on work done on customers' vehicles and plan regular wheel rotations more efficiently. A powerful 5 megapixel camera put on the back of the tool can be used to take photos to attach to the customer report and for other functions that in the near future will be introduced into the wheel and tyre industry.

The TPS 2 has a Technical Data function for consulting part numbers and self-learning procedures for OEM and aftermarket TPMS sensors. The tool's powerful battery lets you work for a whole day without a recharge.





DIAGNOSIS and FAST-FIT

AXONE S TPS/FAST-FIT

The solution not only for tyre control

AXONE S TPS/FAST-FIT is the best solution currently available. It lets you perform all TPMS-related operations, whatever system configuration the vehicle manufacturer has adopted.

All you need to do is select the make and model of the vehicle you are working on and the software automatically lists what functions are available for the valve sensors (the same functions provided by TPS) and what functions you can select to program the control unit.

Among the many advantages of this great tool are its robust design, solid build and a superb 5 inch capacitive colour touch screen that clearly displays all available functions and data.

In every moment you can also expand the functionality of your AXONE S thanks to its multi-utility design concept. You can access, for example to the following additional functions:



AIR-CONDITIONING/HEATING



BRAKES/PARKING BRAKE



ENGINE (including EOBD diagnostics)



RESET SERVICE



BATTERY/STARTER MOTOR



INSTRUMENTS



HEADLIGHTS/TAIL LIGHTS/INDICATORS



STEERING AND STEERING COLUMN



RIDE/SUSPENSION

If you then add the Diagnosis utility, your AXONE S becomes a superb diagnostic tool, able to work effectively on all vehicle electronic systems.



TEXA TPS KEY for existing TEXA customers

Garages that already own a latest generation TEXA display unit and simply want to expand their diagnostic capacity can purchase the TPS KEY. Despite its extremely compact dimensions, this USB module is packed with advanced technology. Simply plug your TPS KEY into the USB port of your TEXA interface to convert it into a complete tool for working on TPMS systems.

Thanks to the TPS KEY and its own, latest generation Cortex processor, technicians can perform all tyre-related tasks, interrogate TPMS sensors, interact with the IDC5 software and TEXA VCI's to communicate with a vehicle's electronic control units, clone sensor ID's on to universal replacements and access detailed diagnostic resources.

The TPS KEY is quick and easy to install thanks to a built-in USB port. The 'TPMS Repair' app guides users through all procedures step by step. 'TPMS Repair' can be downloaded free of charge from the TEXA APP virtual store.



Software functions



TWS (TEXA Wireless Scan)

This great new function simplifies recognition of the sensors installed on a vehicle. Thanks to TWS, you can scan a vehicle's TPMS sensors and display information on the type of sensor detected directly on the display. This revolutionary new functionality saves a great deal of time and boosts your workshop's productivity.



Sensor test

This function activates all types of sensors, whether original equipment or universal replacements. It reads transmitted data, displays the results, including sensor ID, pressure, temperature, battery state, etc... clearly and accurately.



Programming

This function guides you through the procedure for programming universal sensors. Thanks to their extremely simple and intuitive software interface, TEXA's TPMS tools guide you smoothly and easily through the entire programming procedure, minimising the risk of errors.



Automatic sensor ID generation

This useful function allows TEXA's TPMS tools to automatically generate the ID for programming one or more sensors if the old ID is no longer recoverable electronically (as in the case of a faulty sensor) or physically (by reading the old sensor).



KEY FOB (exclusive for TPS 2)

This useful function lets you check the level of charge in a vehicle's remote control battery by means of graphic and numeric data displayed on the TPS 2 screen.

Optional accessories

TTP (TEXA Thermal Printer)

This thermal printer gives you a clear and rapid printout of the results of your TPMS sensor diagnostic session, for you to show to your customers. Printed data includes: sensor ID, pressure, temperature, battery state, etc.. The TEXA THERMAL PRINTER incorporates a lithium battery so that you can print out diagnostic results anywhere in the workshop without having to waste time walking back to the office printer.



TPMS brand coverage

TEXA's TPMS tools boast exceptional coverage and makes and models are constantly being updated. This makes TEXA's TPMS tools the perfect choice for technicians working on **cars, light commercials, motorcycles and trucks**.

Technical specifications



TPS

Processor: Cortex M0 48 MHz

RAM: 16 MB

Display: Dimensions: 1,5"

Type: backlit monochrome LCD,

Resolution: 64x128

Transmission frequency: 125 kHz

Reception frequency: 433 MHz - 434 MHz

Cable communications: USB

Wireless communications: Bluetooth class 2 with integrated antenna

Battery: Type: Li-ion, Capacity: 1100 mAh, Voltage: 3.7 V

Autonomy: approx. 8 hours

Consumption: 500 mA from USB port

Recharge: via USB, approx. 3 hours

Operating temperature: - 10 °C to 40 °C

Storage temperature: - 20 °C to 60 °C

Battery charging temperature: 0 °C to 45 °C

Relative humidity, storage and functioning: 10% to 80%, non-condensing

Standards

Directives: 2014/53/UE RED, 2011/65/EU RHOS

Electromagnetic Compatibility:

- ETSI EN 301-489-1:2011
- ETSI EN 301-489-17:2012

Radio systems:

- ETSI EN 300 328:2012-06

Safety:

- EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2001 + AC:2011



TPS 2

Processor: Cortex M7 200 Mhz

RAM: 8 MB

Flash memory: 4GB

Memory expansion: MicroSD Card

Display: Dimensions: 3.5", Type: LCD IPS, Resolution: 480x320

Camera: 5 MP autofocus with LED flash

Transmission frequency: 125 kHz

Reception frequency: 433 MHz - 434 MHz

Cable communications: USB

Wireless communications: Bluetooth Dual Mode class 2, Wi-Fi 802.11 b/g

Battery: Type: Li-ion, Capacity: 2500 mAh, 3.7 V

Autonomy: approx. 10 hours

Consumption: Maximum 500 mA from USB port

Recharging: via USB, approx. 4 hours

Operating temperature: - 10 °C to 45 °C

Storage temperature: - 20 °C to 60 °C

Battery charging temperature: 0 °C to 45 °C

Relative humidity for storage and functioning: 10 % to 80 %, non-condensing

Standards

Directives: 2014/53/UE RED, 2011/65/EU RHOS

Electromagnetic Compatibility:

- ETSI EN 301-489-1:2011
- ETSI EN 301-489-17:2012

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Safety:

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AXONE S

Processor: ARM Cortex A8 800MHz

RAM: 1 GB DDR3

Flash memory: 4 GB iNAND

Memory expansion: SD Card

Operating system: Android™ JB 4.2.2

Display: Dimensions: 5 inches, 32 M colours,
Type: LCD-TFT, Resolution: 800x480 pixels,
Touchscreen: capacitive

Visual signalling: LED RGB

Acoustic signalling: speaker

Power supply connector:

USB connector with proprietary cable

Communication connector:

USB connector with proprietary cable

Wireless connectivity: Bluetooth class 2,
Wi-Fi 802.11 b / g / n, supports WPA / WPA2

External power supply: 5 V, 1.2 A

Operating temperature: 0 to 45 °C

Standards

Directives: 1999/5/EC R&TTE, 2011/65/EU RHOS

Electromagnetic Compatibility:

- ETSI EN 301-489-1:2011
- ETSI EN 301-489-17:2012

Radio systems:

- ETSI EN 300 328:2012-06

Safety:

- EN 60950-1:2006 + A11:2009 + A1:2010 +
A12:2001 + AC:2011



TPS KEY

Processor: Cortex M0 48 MHz

RAM: 16 MB

Transmission frequency: 125 kHz

Reception frequency: 433 MHz - 434 MHz

Consumption: 350 mA sul connettore USB

Standards

Directives: 1999/5/EC R&TTE, 2011/65/EU RHOS

Electromagnetic Compatibility:

- ETSI EN 301-489-1:2011
- ETSI EN 301-489-17:2012

Radio systems:

- ETSI EN 300 328:2012-06

Safety:

- EN 60950-1:2006 + A11:2009 + A1:2010 +
A12:2001 + AC:2011

TEXA

TEXA was established in Italy in 1992, and today is one of the world's leading names in the design and production of multibrand diagnostic and telediagnostic tools, exhaust gas analysers and air conditioning maintenance stations.

TEXA operates virtually all over the world through an extensive distribution network. In Spain, France, Great Britain, Germany, Brazil, the United States, Poland, Russia and Japan, TEXA markets its products directly through its own subsidiaries. TEXA employs some 600 people around the world, including over 100 engineers and specialists working in Research and Development.

TEXA has won many international awards over the years, including the Innovation Award at Automechanika in Frankfurt (2010 and 2014), the "Award of Awards" for the most innovative company in Italy, presented by the President of the Republic, Giorgio Napolitano (2011), the Irish Automotive Innovation Award (2014) and the Golden Key Award in Moscow (2014 and 2015). In 2015, MIT Technology Review classed TEXA as one of the ten most "disruptive" companies in Italy. Also in 2015, TEXA won the Frost & Sullivan "European Commercial Vehicle Diagnostics Customer Value Leadership".

All TEXA tools are designed, engineered and built in Italy, using modern automated production lines which guarantees maximum precision. TEXA focuses careful attention on product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.

WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "Systems that can be diagnosed" of the product and/or software at TEXA authorised retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.

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To check on IDC5 compatibility and minimum system requirements, go to: **www.texa.com/system**

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cod. 8800396
08/2016 - Inglese - V.7.0



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