

ALLIGATOR sens.it®
sensor intelligent technology

The universal TPMS solution for professionals



ALLIGATOR
sens.it®

According to the European Union Vehicle Ordinance 661/2009, all vehicles in the classes M1/M1G (passenger vehicles/motor homes) must be equipped with a tire pressure monitoring system as standard equipment starting in November 2014. This legislation will massively affect the service procedures in tire replacement centers: service times will be extended, new hardware for diagnosing TPM systems will have to be purchased, and sensors suitable for each vehicle will have to be available on short notice.

Warehousing and logistics, maintenance and diagnostics of TPM systems, as well as professional communication with customers, will become important topics for tire dealers.

An increasing number of different tire pressure sensors

Usually tire pressure sensors in the original equipment were developed for specific vehicles or platforms. This results in a rapidly increasing number of different sensors, which are then needed when servicing the vehicle. Fast availability of replacement sensors is of essential for keeping costs low and service times short, and above all, not losing the customer to the competition.

Newly installed sensors must be relearned to the vehicle

In many cases, a newly installed sensor must be relearned to the vehicle. This enables the sensor to communicate the wheel position where the new sensor is located to the control unit in the vehicle. This relearn procedure can be time-intensive and error prone - and it varies from vehicle to vehicle.



As a long-term OE supplier of TPM tire valves, ALLIGATOR took on the task of developing a very simple and practice-oriented solution for the replacement market that takes the problems cited above into account:

ALLIGATOR sens.it® - just one TPM sensor for (almost) all vehicles



Sensor RS3
Part no. 590914
Valve silver
Part no. 590906



Programming Tool
Part no. 590922

ALLIGATOR *sens.it*[®] in practice

Two paths to the serial number: Reduce relearn expense!

1) Duplicate (clone) the previously installed sensor

A duplicate of the component with the same ID can be produced using the serial number (ID) of the current original sensor to be replaced. With this procedure, relearning the sensor to the vehicle is no longer necessary; a clear advantage that saves time in customer service.

The wheel with the new *sens.it* sensor is installed at the same/identical wheel position. That's it!

2) Sensor with new serial number

A sensor with a new serial number can be created automatically with two clicks of the mouse in the application software. A sensor with a new ID basically must be relearned to the vehicle, this can be carried out automatically using the OBDII diagnostic interface or manually using the onboard computer. Information about which programming method is used is provided in the vehicle technical manual.

Naturally each ALLIGATOR *sens.it* sensor can be (re)programmed multiple times.

ALLIGATOR *sens.it*[®] - always the right valve for your vehicle:

Sensor RS3 434 MHz with aluminum valve - suitable for almost all applications

ALLIGATOR's aluminum valve, proven millions of times over as original equipment is used. The patented Ball-Joint design enables use of this valve/sensor version in almost all steel and aluminum wheels on the market.

The valve is made of high quality aluminum alloy and is permanently protected against corrosion by an additional anodized coating.

The *sens.it* sensor is equal to today's original sensors with respect to functionality and quality.



Sensor RS3
Part no. 590914

The valve is available in the colors: silver, titanium gray, black, and anodized chrome. It matches the look of your rim!



Silver	Titanium gray	Black	Chrome
Part no. 590906	Part no. 590904	Part no. 590908	Part no. 590910

Sensor RS4 434 MHz with rubber valve

The snap-in version RS4 can be used on vehicles that were originally delivered with a rubber valve version of the TPMS, and which cannot exceed 210 km/h at their highest speed.

Sensor and valve are connected using a patented clip-pin mechanism, so that replacement of the valve at each tire change is significantly facilitated.



sens.it Snap-in valve
Part no. 590916
Sensor RS4 Snap-in
Part no. 590918

Compatibility with conventional TPMS diagnostic devices

sens.it sensors from ALLIGATOR can also be read-out and programmed using TPMS diagnostic devices of all leading suppliers. For more information, contact your *sens.it* dealer.

With the **sens.it** system, ALLIGATOR has developed the ideal solution for coping with the multiplicity of necessary sensors and, in many cases, making the expensive relearning processes for new sensors superfluous.

The **sens.it** sensor, unprogrammed when delivered, can be programmed at the repair shop to become a just-in-time vehicle-specific spare part. This reduces complex and cost-intensive warehousing needs, since **one** sensor-valve version can be installed in almost all vehicles on the market.

Customers no longer have to wait for the right spare part.

Installation is standardized, i.e. one simple installation procedure, using the same tool each time, is now possible.

All this, and the OE quality you expect from ALLIGATOR!



Three simple steps to a successful TPMS service:

1. The constantly updated application software for programming can be downloaded at: www.alligator-sensit.com free of charge and installed on any PC or laptop with the Windows operating system.
2. Connect the ALLIGATOR **sens.it** programming device, developed for the program, to a free USB port on the computer.
3. After opening the installed application, a brief registration process is executed. **Done!** When finished, the first sensor can be programmed.

The ALLIGATOR **sens.it** programming software

Sens.it[®] Statistic

With the new module, **sens.it Statistic**, integrated in the application software, the repair shop manager, service technician, or sales associate has immediate access to an overview of all **sens.it** sensors previously programmed at the service center. For all practical purposes, all sensor details programmed in the past can be seamlessly scanned.

Specifically, this means:

The date and time of programming, the selected vehicle configuration, possibly the mileage on the service day, and particularly the serial number (ID) of the new **sens.it** sensor used can be called up immediately and conveniently with a few mouse clicks!

The newly-developed printout function additionally enables a direct printout of the associated tire pressure sensor service log; this can be handed to the customer with the service receipt or can go into the customer file at the service operation as desired.



The advantages:

The free **sens.it Statistic** program offers the tire service center the following advantages:

- Traceability of programmed/installed **sens.it** sensors
- Support for logistics planning and controlling inventory
- Support for customer loyalty management
- Continuation/resumption of an interrupted service procedure at a later point in time
- Relief in the work load during the peak season, e.g. when preparing a wheel set
- and much more

ALLIGATOR **sens.it**[®] RetroFIT-Kit

The **sens.it**[®] TPMS retrofit solution for your vehicle!

For everyone who would like to equip their passenger car, van and/or motorhome with a tire pressure monitoring system!

The ALLIGATOR **sens.it** RetroFIT-Kit increases your safety and reduces your costs. You are informed immediately if the pressure in the tire changes. This helps to avoid flat tires, reduces the fuel consumption of your vehicle, and extends the service life of your tires.

The ALLIGATOR **sens.it** RetroFIT-Kit includes:

- 1x display with CR2450 button battery
- 4x **sens.it** sensors with valves
- 1x magnet (for fastening the display)
- 1x installation instructions for valve and sensor
- 1x RetroFIT-Kit operating instructions



RetroFIT-Kit
Part no. 590935

Winter tire changeover with TPM sensors



ALLIGATOR *sens.it*[®]:
A tire pressure sensor
for (almost) all vehicles - saves time
when changing to winter tires!

The handy ALLIGATOR TPMS *sens.it*[®] installation tool set

High-quality tools for an easy and professional installation of sensor and valve on each wheel.

Contents of the installation pouch

- 1/4" adapter
- Calibrated torque screwdriver, set to 3.3 N, (29 inch lbs)
- Torx bit size 15 / size 20
- Valve holder
- Hex sockets 11 mm / 12 mm
- Belt pouch



Part no. 232425

For additional information about ALLIGATOR *sens.it*[®], please contact:

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