TPMS

As a long-standing OE supplier of TPMS tire valves, ALLIGATOR has made its business to develop a very simple and practical solution for the TPMS replacement market: the freely programmable sens.it RS universal sensors.

CONTENT

sens.it RS

One sensor for all vehicles

TPMS challenges for the workshop

Increasing number of different TPMS sensors

- High stock of sensors to ensure availability at short notice.
- Vehicle-specific teach-in procedures are time-consuming and often flawed.
- Service times are getting longer.

Our solution: sens.it RS – the programmable universal sensor

The practical solution for the replacement market

- Only one sensor for all vehicle models.
- Just-in-time programming for vehicle-specific spare parts.
- Program – teach – drive.

Advantages

- **Top coverage:** Vehicle coverage of 98%
- **Short coverage times:** Standardized assembly without waiting for the right spare part
- **High functionality:** OE quality from ALLIGATOR
- **Less costs:** No software or update costs plus savings on storage and logistics costs
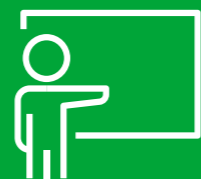
Coverage list

- Listing of all vehicle models covered by sens.it RS sensors.
- Ongoing addition of new models.
- Coverage list is updated monthly.

To the current coverage list
https://bit.ly/3Ffxvl4

TPMS training

ALLIGATOR prepares your employees for TPMS with extensive practical training. Please ask for our TPMS training offer.

E-mail: **sens.it@wegmann-automotive.com**
Phone: **(+49-931) 32104-444**

TPMS TOOLS FOR THE FUTURE

- Multiple programming of sensors (VT57 & TECH 600)
- High vehicle coverage including brand/model/year of construction
- OBD interface
- Color display and proven menu navigation
- Bluetooth and WiFi
- Wireless updates
- ... and many other features

ATEQ VT47	ATEQ VT57	Bartec TECH 350	Bartec TECH 600
9-590926	9-590925	9-590924	9-590923

sens.it

Universal sensor RS3
For metal valves

- **Application:** Suitable for all steel and aluminum wheels
- **Range of functions:** OE quality
- **Sensor-valve connection:** Screw connection with ball-joint

Sensor RS3

Art. no.	Description	Mounting	Frequency range (MHz)	Adjustable angles (°)	Qty	Vehicle type
9-590914	Universal TPMS sensor RS3 (without valve)	Ball-joint	433	12–40	1	

TPMS aluminum valves for RS3
Valve hole 11.3 + 0.4 mm

9-030000   9-590906   9-590904   9-590908

Art. no.	Color	Mounting	Valve type	Valve length (mm)	Installation torque for bolt and nut (Nm)	Qty	Vehicle type	Surface	Valve cap
9-590906	Silver	Ball-joint	Screw valve	43	3.3	1		Elox	
9-590904	Titanium gray	Ball-joint	Screw valve	43	3.3	1		Elox	
9-590908	Black	Ball-joint	Screw valve	43	3.3	1		Elox	

Maximum working pressure: 14 bar / 200 psi
All valves are supplied with a screw.
Only use with nickel-plated valve core to avoid corrosion!

Spare part

Art. no.	Description
9-030000	Screw M5, Torx TX15

Universal sensor RS4
For snap-in valves

- **Application:** Vehicles with original TPMS rubber valve variant or maximum speeds up to 210 km/h / 130 mph
- **Range of functions:** OE quality
- **Sensor-valve connection:** Clip-pin mechanism

Sensor RS4

Art. no.	Description	Mounting	Frequency range (MHz)	Fixed angle (°)	Qty	Vehicle type
9-590918	Universal TPMS sensor RS4 (without valve)	Clip-pin	433	20	1	

TPMS rubber valve for RS4
Valve hole 11.3 + 0.4 mm

9-590916

Art. no.	Mounting	Valve type	Valve length (mm)	Pressure range (bar/psi)	Qty	Vehicle type	Valve cap
9-590916	Clip pin	Snap-in valve	43	4.5 / 65	1		

Sensor valve kits
Sensor with matching valve

sens.it

Starter kits
The perfect introduction to TPMS service

Sensor valve kits
For use in the workshop

9-590908   9-590908   9-590908

Art. no.	Description	Qty
9-591122	1x universal sensor RS3 (9-590914) 1x aluminum valve, silver (9-590906)	1
9-591123	1x universal sensor RS3 (9-590914) 1x aluminum valve, black (9-590908)	1
9-591124	1x universal sensor RS4 (9-590918) 1x with rubber valve (9-590916)	1

Sensor valve kits in tray packaging
For large purchase quantities

Art. no.	Description	Qty
9-590961	Universal sensor RS3 (9-590914) with pre-assembled silver aluminum valve (9-590906). Nuts are supplied separately.	144 (8 trays x 18 pcs.)
9-591061	Universal sensor RS3 (9-590914) with pre-assembled black aluminum valve (9-590908). Nuts are supplied separately.	144 (8 trays x 18 pcs.)
9-590965	Universal sensor RS4 (9-590918) with pre-assembled snap-in valve (9-590916).	144 (8 trays x 18 pcs.)

To the mounting instructions for TPMS sensors in tray packaging
https://bit.ly/3kzxtkA

Tool bundle PT3

- 1x programming/diagnostic tool PT3 — 9-030229
- 24x universal sensor RS3 — 9-590914
- 24x aluminum valve, silver anodized — 9-590906
- 1x operating instructions

Art. no.   9-590938

Starter kit PT1

- 1x programming tool PT1 — 9-590922
- 8x universal sensor RS3 — 9-590914
- 8x aluminum valve, silver anodized — 9-590906
- 1x operating instructions

Art. no.   9-590919

Mini starter kit PT1

- 1x programming tool PT1 — 9-590922
- 4x universal sensor RS3 — 9-590914
- 4x aluminum valve, silver anodized — 9-590906
- 1x operating instructions

Art. no.   9-590933

TPMS programming and diagnostic tool PT3
Wireless and handy

Functions:

- Programming and cloning ALLIGATOR sens.it sensors
- Readout of all TPMS sensors possible
- OBD2 diagnostic module integrated
- Integrated teaching procedure
- Information in 23 languages

- Simple operation: Vehicles selected by brand, model, and year
- Five years of free sens.it software updates

Advantages:

Art. no.	Description	Sensor type	Frequency	Cable connection	Housing
9-030229	Programming and diagnostic device PT3	sens.it RS, sens.it ONE	433 MHz	USB	Rubber protective cover

Scope of delivery:

- 1x PT3
- 1x charger
- 1x USB cable
- 3x socket adapter
- 1x operating instructions

TPMS programming tool PT1
The ideal addition to hand-held TPMS tools

Functions:

- Programming and cloning ALLIGATOR sens.it sensors

Advantages:

- Software guides user intuitively through the programming and teach-in process
- Operating errors are excluded
- Always up-to-date with free software through online connection
- New vehicles are constantly being added to the software

Art. no.	Description	Sensor type	Frequency	Cable connection	Housing
9-590922	Programming device PT1	sens.it RS, sens.it ONE	315 MHz, 433 MHz	USB type A	Rubber protective cover

To the PT1 operating instructions
https://bit.ly/3FsM9Md