PROGRAMMABLE UNIVERSAL TPMS SENSOR

Angle Adjustable 1-Sensor Metal Valve (Screw-in)

⚠ CAUTION:

- Autel MX-Sensors arrive blank and must be programmed with Autel TPMS tool, which is recommended to program prior to installation.
- Do not race with the vehicle on which the Clamp-in MX-Sensor is mounted, and always keep the drive speed under 240km/h.

SAFETY INSTRUCTIONS

Before installing the sensor, read the installation and safety instructions carefully. For reasons of safety and for optimal operation, we recommend that any maintenance and repair work be carried out by trained experts only, in accordance with the guidelines of the vehicle manufacturer. The valves are safety-relevant parts which are intended for professional installation only. Failure to do so may result in the failure of the TPMS sensor. AUTEL does not assume any liability in case of faulty or incorrect installation of the product.

⚠ CAUTION

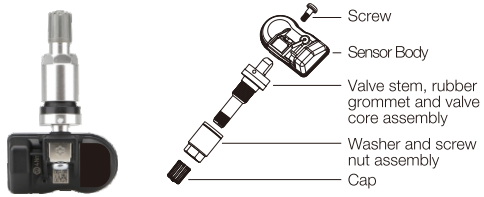
- The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.
- Make sure to program the sensors by AUTEL sensor programming tools by the specific vehicle make, model and year before installation.
- Do not install programmed TPMS sensors in damaged wheels.
- In order to guarantee optimal function, the sensors may only be installed with original valves and accessories provided by AUTEL.
- Upon completing the installation, test the vehicle's TPMS following the procedures described in the original manufacturer's user guide to confirm proper installation.

WARRANTY

AUTEL guarantees that the sensor is free from material and manufacturing defects for a period of twenty-four (24) months or for 24,000 miles, whichever comes first. AUTEL will at its discretion replace any merchandise during the warranty period. The warranty shall be void if any of the following occurs:

1. Improper installation of products
2. Improper usage
3. Induction of defect by other products
4. Mishandling of products
5. Incorrect application
6. Damage due to collision or tire failure
7. Damage due to racing or competition
8. Exceeding specific limits of the product

EXPLODED VIEW OF SENSOR



Technical data of the sensor

Weight of sensor without valve	11 g
Dimensions	approx. 42.4*24.1*16.0 mm
Max. pressure range	800 kPa

⚠ **CAUTION:** Each time a tire is serviced or dismounted, or if the sensor is removed or replaced, it is mandatory to replace the rubber grommet, screw nut and valve core with our parts to ensure proper sealing.
It is mandatory to replace the sensor if it is externally damaged.
Correct sensor nut torque: 4.0 Nm.

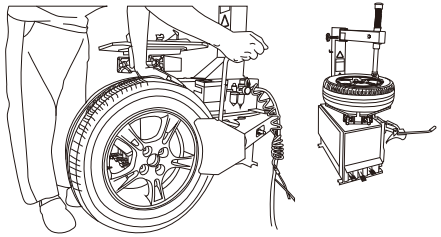
INSTALLATION GUIDE

⚠ **IMPORTANT:** Before operating or maintaining this unit, please read these instructions carefully and pay extra attention to the safety warnings and precautions. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the warranty.

1 Loosening the tire

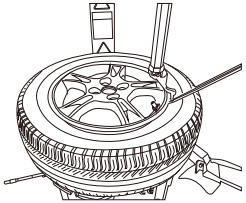
Remove the valve cap and core and deflate the tire.
Use the bead loosener to unseat the tire bead.

⚠ **CAUTION:** The bead loosener must be facing the valve.



2 Dismounting the tire

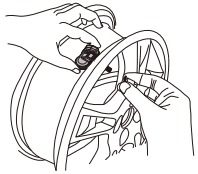
Clamp the tire onto the tire changer, and adjust the valve at 1 o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.



⚠ **CAUTION:**
This starting position must be observed during the whole dismounting process.

3 Dismounting the sensor

Remove the screw nut from the valve stem, and then remove the sensor assembly from the rim.

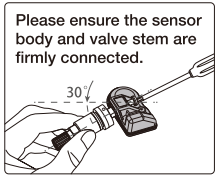


4 Mounting sensor and valve

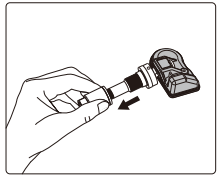
Step1. Connect the sensor body and valve stem at a suitable angle(Normally use the maximum angle of 30°) and tighten the screw.
Step2. Remove the screw nut from the valve stem.
Step3. Slide the valve stem through the valve hole of the rim with the sensor on the inside of the rim.
Step4. Assemble the screw nut back on the valve stem with 4.0 Nm power, then tighten the cap.

⚠ **CAUTION:** 30° is suitable for most rims. If the angle does not match the rim while installing in step 3, please loosen the screw then re-operate from step 1.

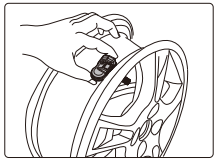
Step 1



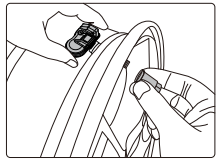
Step 2



Step 3



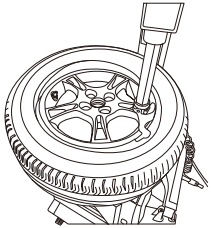
Step 4



5 Mounting the tire

Place the tire on the rim, make sure that the valve faces the separation head at an angle of 180 °. Mount the tire over the rim.

⚠ **CAUTION:** The tire should be mounted to the wheel using tire changer manufacturer's instructions.



PROGRAMMABLE UNIVERSAL TPMS SENSOR

Angle Adjustable 1-Sensor Rubber Stem (Screw-in)

⚠ CAUTION:

- Autel MX-Sensors arrive blank and must be programmed with Autel TPMS tool, which recommended to program prior to installation.
- Do not race with the vehicle on which the Snap-in MX-Sensor is mounted, and always keep the drive speed under 210 km/h.

SAFETY INSTRUCTIONS

Before installing the sensor, read the installation and safety instructions carefully. For reasons of safety and for optimal operation, we recommend that any maintenance and repair work be carried out by trained experts only, in accordance with the guidelines of the vehicle manufacturer. The valves are safety-relevant parts which are intended for professional installation only. Failure to do so may result in the failure of the TPMS sensor. AUTEL does not assume any liability in case of faulty or incorrect installation of the product.

⚠ CAUTION

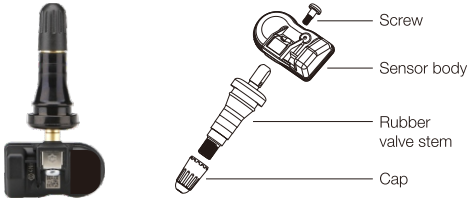
- The TPMS sensor assemblies are replacement or maintenance parts for vehicles with factory installed TPMS.
- Make sure to program the sensors by AUTEL sensor programming tools by the specific vehicle make, model and year before installation.
- Do not install programmed TPMS sensors in damaged wheels.
- In order to guarantee optimal function, the sensors may only be installed with original valves and accessories provided by AUTEL.
- Upon completing the installation, test the vehicle's TPMS following the procedures described in the original manufacturer's user guide to confirm proper installation.

WARRANTY

AUTEL guarantees that the sensor is free from material and manufacturing defects for a period of twenty-four (24) months or for 24,000 miles, whichever comes first. AUTEL will at its discretion replace any merchandise during the warranty period. The warranty shall be void if any of the following occurs:

1. Improper installation of products
2. Improper usage
3. Induction of defect by other products
4. Mishandling of products
5. Incorrect application
6. Damage due to collision or tire failure
7. Damage due to racing or competition
8. Exceeding specific limits of the product

EXPLODED VIEW OF SENSOR



Technical data of the sensor

Weight of sensor without valve	11 g
Dimensions	approx. 42.4*24.1*16.0mm
Max. pressure range	800 kPa

⚠ CAUTION: Each time a tire is serviced or dismounted, or if the sensor is removed or replaced, it is mandatory to replace the rubber valve stem and plastic cap with our parts to ensure replace the proper sealing. Please ensure the operating temperature is less than 100℃ (212℉).

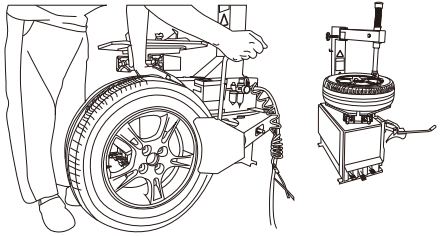
INSTALLATION GUIDE

⚠ IMPORTANT: Before operating or maintaining this unit, please read these instructions carefully and pay extra attention to the safety warnings and precautions. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the warranty.

1 Loosening the tire

Remove the valve cap and core and deflate the tire.
Use the bead loosener to unseat the tire bead.

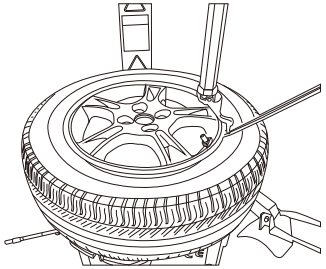
⚠ CAUTION: The bead loosener must be facing the valve.



2 Dismounting the tire

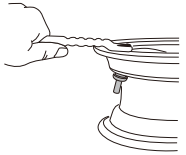
Clamp the tire onto the tire changer, and adjust the valve at 1 o'clock relative to the tire separation head. Insert the tire tool and lift the tire bead onto the mounting head to dismount the bead.

⚠ CAUTION: This starting position must be observed during the whole dismounting process.



3 Dismounting the sensor

Depress the Press button on the sensor body, carefully pull the sensor body straight back off the valve. Cut the rubber bulb and attach a standard tire valve extractor to the valve. Remove the valve from the rim by pulling through the rim.

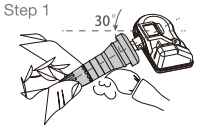


4 Mounting sensor and valve

Step 1. Connect the sensor body and valve stem at a suitable angle (Normally use the maximum angle of 30°) and tighten the screw. Apply tire soap or lube solution to the rubber valve stem.
Step 2. Line the sensor up with the rim hole and attach a standard tire valve extractor to the end of of the valve.
Step 3. Pull the valve stem straight through the valve hole, then assemble the cap back. Note the rubber bulb of the valve resting against the rim.

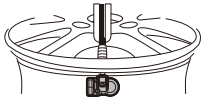
⚠ CAUTION:The valve and rim hole should be concentric.

Step 1



⚠ CAUTION: 30° is suitable for most rims. If the angle does not match the rim after installation, please loosen the screw and adjust the angle by moving the sensor body.

Step 2

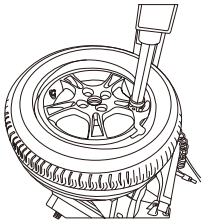


Step 3

5 Mounting the tire

Place the tire on the rim, make sure that the valve faces the separation head at an angle of 180 °.Mount the tire over the rim.

⚠ CAUTION: The tire should be mounted to the wheel using tire changer manufacturer's instructions.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.