

LAUNCH



LAUNCH TSENSOR-7S

Programmable Universal RF Tire Pressure Sensor

Quick Start Guide



IMPORTANT: Read, understand and follow all safety messages and instructions in this manual before operating or maintaining this unit. Use this unit correctly and with care. Failure to do so may cause damage and/or personal injury and will void the product warranty.



Safety Instructions

Any maintenance and repair work must be carried out by trained technicians. Failure to do so may result in the failure of the TPMS sensor. LAUNCH does not assume any liability in case of faulty or incorrect installation of the unit.



CAUTION

- When mounting/dismounting the wheel, follow the operation guideline of the wheel changer manufacturer strictly.
- Do not race with the vehicle on which the sensor is mounted, and always keep the driving speed under 240 km/h.
- To guarantee optimal performance, the sensor shall only be installed with the original accessories provided by LAUNCH.
- If the sensor is damaged on the outer surface, it must be replaced with a new one, and the specified sensor torque is 4 N·m.
- Make sure to program the sensors by using the LAUNCH-specific TPMS tool prior to installation.
- Do not install programmed TPMS sensors in damaged wheels.
- After installing the TPMS sensor, test the vehicle's Tire Pressure Monitoring System following the

steps described in the original manufacturer's user manual to confirm proper installation.

Compliance Information

FCC ID: XUJTSEN5S

IC: 29886-TSEN7S

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s) and 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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada et à la partie 15 des règles de la FCC applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire d'interférences nuisibles; et

(2) L'appareil doit accepter tout brouillage radioélectrique reçu, même si le brouillage est susceptible d'en compromettre le fonctionnement. This device complies with Canadian CAN ICES-003(B)/NMB-003(B).

Cet appareil est conforme à la norme canadienne CAN ICES-003(B)/NMB-003(B).

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.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

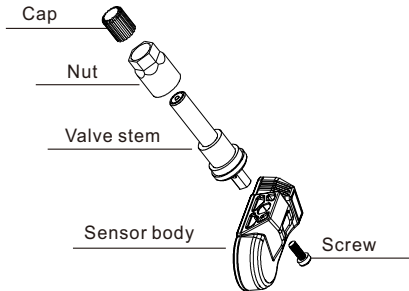
Lors de l'installation et du fonctionnement de cet équipement, la distance minimale entre le radiateur et le corps doit être de 20cm.

This device is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU. The RF frequencies can be used in Europe without restriction.

Disclaimer

- All information, illustrations, and specifications in this quick start guide are based on the latest information available at the time of publication.
- The right is reserved to make changes at any time without notice. LAUNCH shall not be liable for any direct, special, incidental, indirect damages or any economic consequential damages (including the loss of profits) due to the use of the document.

Components



Technical Specifications

Dimensions* (See Notes)	72.5 mm x 42 mm x 19.6 mm 83.8 mm x 42 mm x 19.6 mm
Weight* (See Notes)	30 g 28 g
IP Rating	IP67
Operating Temperature	-40℃ ~ 105℃
Storage Temperature	-40℃ ~ 105℃

*Notes:

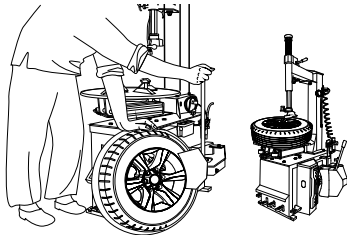
- The sensors with matte silver alloy and black alloy valve stems measure 72.5 mm × 42 mm × 19.6 mm, while the one with a black rubber valve stem measures 83.8 mm × 42 mm × 19.6 mm.
- The sensors with matte silver alloy and black alloy valve stems weigh 28 g, while the one with black rubber valve stem weighs 30 g.

Installation Steps

1. Loosening the tire

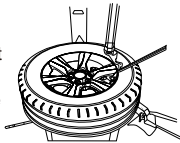
Remove the valve cap and nut, and deflate the tire. Use the bead loosener to break the tire bead.

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



2. Dismounting the tire

Clamp the tire on the tire changer, and adjust the valve at 1 o'clock to the tire fitting head. Use the tire tool to dismount the tire bead.



⚠ Caution: Always observe this starting point during the whole dismounting process.

3. Dismounting the sensor

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



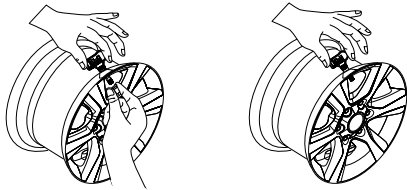
4. Mounting the sensor and valve

Step 1. Remove the cap and nut from the valve stem.



Step 2. Place the valve stem through the valve hole of the rim, ensuring the sensor body located on the inside of the rim. Assemble the nut back on the valve stem with a torque of 4N·m, then tighten the cap.

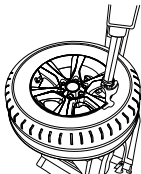
⚠ Caution: Make sure that the nut and cap are installed on the outside of the rim.



5. Remounting the tire

Place the tire on the rim, ensure that the valve starts on the opposite side of the rim from the tire fitting head. Mount the tire over the rim.

⚠ Caution: Strictly follow tire changer manufacturer's instructions to mount the tire.



Warranty

The sensor is guaranteed to be free from material and manufacturing defects for a period of twenty-four (24) months or for 31000 miles, whichever comes first. This warranty covers any defects in materials or workmanship under normal use during the warranty period. Excluded from the warranty are defects due to improper installation and usage, induction of defect by other products, damage due to collision or tire failure.

Manufacturer Information

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