

TS200

Programmable Universal Tire Pressure Sensor

TS200 Universal Tire Pressure Sensor User Manual (Metal Valve / Clamp-in Style)

Disclaimer

Please read this manual carefully before installing TS200 universal tire sensor (hereinafter referred to as TS200). For safety reasons, all the installation and maintenance operations should be carried out by trained professionals, with the guidance of vehicle manufacturer. Tire valves are vehicle-specific component and incorrect installations may cause malfunctions of tire pressure monitoring system. Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of incorrect installations. Product Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

⚠ Warning!

TS200 sensor is guaranteed to be free from material or manufacturing defects for a period of 24 months or 40,000km (25,000 miles), whichever comes first. In case of defects caused by material or workmanship, Xtooltech will provide free repair or replacement. Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of incorrect installations. Product Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

1. **Warning**

TS200 sensor is guaranteed to be free from material or manufacturing defects for a period of 24 months or 40,000km (25,000 miles), whichever comes first. In case of defects caused by material or workmanship, Xtooltech will provide free repair or replacement. Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of incorrect installations. Product Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

2. **Caution**

TS200 sensor is guaranteed to be free from material or manufacturing defects for a period of 24 months or 40,000km (25,000 miles), whichever comes first. In case of defects caused by material or workmanship, Xtooltech will provide free repair or replacement. Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of incorrect installations. Product Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

3. **Notes**

TS200 sensor is guaranteed to be free from material or manufacturing defects for a period of 24 months or 40,000km (25,000 miles), whichever comes first. In case of defects caused by material or workmanship, Xtooltech will provide free repair or replacement. Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of incorrect installations. Product Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

Specification

| | |
|--|--|
| Sensor Weight (sensor not included) | approx. 13 g |
| Dimensions (sensor not included) | 46.1 x 25 x 16.2 mm (1.81" x 0.98" x 0.64") |
| Max. Pressure | 900 kPa (0 bar or 130.5 psi) |
| Max. Speed | 240 km/h (150mph) |

Contact Us

Official Website: www.xtooltech.com
Service Hotline: +86 0755-21267995
E-mail Address: support@xtooltech.com

Before USE - Programming Sensors

⚠ To make sure the sensors are working properly, please read this guide before unpacking and program the sensor according to the programming instructions.

1. Get XTool TPMS App

Please take a smartphone (Android 5.1/64-bit or iOS 9.0+ required), and find "XTool TPMS" app in the app store. This app can also be used to read sensor information, programming code on the package, and also can be used to search for TPMS programming method and OEM sensor information.

⚠ Make sure your smartphone (or other smart devices) supports NFC function before installing the app.

2. Select Vehicle (or sensor P/N)

In the "XTool TPMS" app (hereinafter called "App") you can select the vehicle brand, find the model and model year and get into the programming page for the vehicle.

Or you can also search for the OE sensor P/N (Part Number), and get to the programming page for the sensor.

3. Programming Page

Here is a brief introduction on the programming page.

① Programming mode: You can select the mode here, from auto to manual.

After installation, the sensor ID will be randomly generated and be written to the sensor. The sensor needs to be relearned.

② Make sure the tire is equipped with TPMS/Tire Pressure Monitoring System before installation. You can refer to the vehicle's tire pressure monitoring system manual for more information.

③ ID entry: If you select manual mode, the ID fields will appear.

④ DEC fields only accept decimal IDs. HEX fields only accept hexdecimal IDs.

⑤ OK button: Click this button to start programming.

4. Start Programming

Click "OK" to start programming. Put the back of the sensor (the square part, transparent side up) close to the NFC sensing area of your smartphone (or other devices). If the phone detects the sensor, the app will start programming.

After programming, the sensor will automatically move the sensor or the smartphone until the programming succeed, or the programming will fail and you will have to try again.

⚠ The NFC sensing area differs between smartphones.

① Normally, smartphones with Android / HarmonyOS usually place the sensing area on the upper side on the back of the phone.

② Please normally place the sensing area on top of the phone.

Please check the NFC sensing area on your phone before programming.

Other APP functions

① Check sensors: You can check all sensor informations (ID, SN, battery voltage, etc.) by NFC using the app.

② Memory read/write: Sensor menu that has been programmed before will be shown here. This can be used as a shortcut to get into the menu.

③ Settings & Updates: You can update the database, or send feedbacks here.

Before USE - Install Sensors

⚠ Before replacing, uninstall tires, or installing sensors, please use the original valve, rubber gasket, screws, etc. from XTool to ensure airtightness. Sensors have to be changed if the tires are damaged.

1. Uninstall tires

Remove the valve cap and valve core, and deflate the tire. After that, use a pneumatic shovel to peal the rubber tire off the rim.

Fix the tire to adjust the valve body to a dock position and then use the valve core to hold the tool and lift the tire bead onto the installation head to remove the bead.

⚠ When removing the tire and rim, please face the valve body to the front of the tire.

During the tire removal process, the starting position must be maintained.

2. Uninstall sensor

Remove the valve cap and nut from the valve stem, and then remove the original tire pressure sensor assembly from the rim.

3. Install sensor

① Remove the valve cap from the valve.

② Pass the valve core and the sensor body through the rim valve hole so that the sensor is placed inside the rim.

③ Install the nut back on the valve stem and tighten the nut with a torque of 4N·m.

④ Adjust the angle of the sensor on the rim.

⑤ Adjust the angle between the sensor body and the tire, and tighten the fastening screws on the sensor.

⑥ Place the tire on the rim, make sure the valve is at the top, and then use a tire inflator to inflate the tire to 180° and install the tire. After installation, inflate the tire according to the tire pressure reference value on the vehicle nameplate.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.

⚠ The tire pressure reference value on the vehicle nameplate is the maximum pressure of the tire.