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### IMPORTANT

Before operating or maintaining this unit, please read this manual carefully, paying extra attention to the safety warnings and precautions.

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## For Services and Support

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For technical assistance in all other markets, please contact your local selling agent.

## **Safety Information**

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For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout this manual be read and understood by all persons operating or coming into contact with the device.

There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the automotive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested.

Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested. Use the device only as described in this manual. Read, understand, and follow all safety messages and instructions in this manual.

## **Safety Messages**

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Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

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### **DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

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### **WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

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## **Safety Instructions**

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The safety messages herein cover situations Autel is aware of. Autel cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

## **ANGER**

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When an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

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## **SAFETY WARNINGS**

- Always perform automotive testing in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area, for exhaust gases are poisonous.
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.
- Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires nearby.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the test equipment dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the equipment as necessary.
- Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an accident.
- Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.
- To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.
- Do not place the test equipment on the distributor of the vehicle. Strong electro-magnetic interference can damage the equipment.

## List

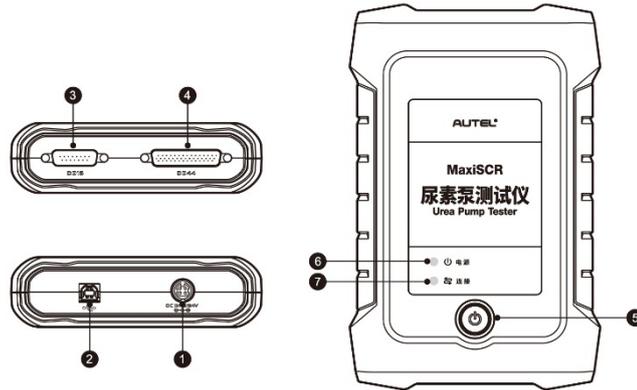
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## 1. Product description

MaxiSys SCR Urea pump intelligent diagnosis system is a professional car urea pump intelligent diagnosis solution. Convenient, fast and efficient intelligent diagnosis of urea pumps, nitrogen and oxygen sensors, temperature and liquid level sensors on and off the vehicle.

### 1.1 Maxi SCR – Urea Pump Tester

#### Function Description



*Fig 2-1 VCI SCR illustration*

1. Power input
2. USB (Type-A)
3. DB15 socket
4. DB44 socket

5.Power switch

6.Power LED indication

7.State LED indication

## Power

The device can be powered by AC/DC adapter: 12V~36V

## Technical Specification

Item	Description
<b>Rating</b>	12V~36V
<b>Interface</b>	USB typeB Power adapter socket DB44 DB15
<b>Connection</b>	USB2.0 2.4G blue tooth
<b>Operation</b>	-10~50°C
<b>Storage</b>	-20~60°C
<b>Size</b>	220.4x142.6x40mm
<b>Weight</b>	600g

## 2 SCR Operation

The diagnostic program establishes a data connection with the vehicle's urea pump through the MaxiSCR urea pump tester equipment. It can read the information of the vehicle's urea pump, nitrogen oxygen sensor, and liquid level temperature sensor, view the data stream parameters, and perform action tests.

### 2.1 Establish vehicle communication

Establish communication between MaxiSCR system and vehicle urea pump:

1. Connect the female adapter of the test main line to the MaxiSCR urea pump test main line interface, and tighten the captive screws.
2. Connect the 44-pin male adapter of the 44PIN test main line to the urea pump test harness, the other end of the urea pump test harness is connected to the urea pump diagnostic interface, and connect to the MaxiSCR device power supply.
3. Turn on the MaxiSys tablet diagnostic device. Make sure that the tablet's built-in battery has sufficient power or DC power is connected.
4. Establish the communication between MaxiSys tablet diagnostic equipment and MaxiSCR device equipment through Bluetooth pairing.
5. After the MaxiSCR device and MaxiSys tablet diagnostic device are connected, the VCI button on the navigation bar at the bottom of the screen will display a green "√" icon, indicating that the device is ready to start urea pump diagnosis according to the tablet prompt.

### 2.2 No communication prompt

- A: If the MaxiSys tablet diagnostic device is not successfully connected with the MaxiSCR device, an "error" message will be displayed on the screen. The "error" message indicates that the tablet diagnostic device

is not communicating properly with the Maxi SCR device and therefore cannot enter the vehicle control module. In this case, the following checks or measures are required:

- Check whether the MaxiSCR device is powered on.
- When using a wireless connection, check whether the network configuration is correct or whether the paired devices are correct.
- If communication is interrupted suddenly due to signal loss during the diagnosis, check whether there is any object causing signal interference.
- Check whether the MaxiSCR equipment is placed correctly. Place the MaxiSCR device face up.
- Try to get as close to MaxiSCR equipment as possible to get more stable signal and faster communication speed.
- When using a wired connection, check whether the cable connection between the tablet diagnostic device and the MaxiSCR device is good.
- Check whether the Bluetooth or USB indicator on the MaxiSCR device is lit.
- Check whether the fault indicator on the MaxiSCR device is lit. If the fault indicator is lit, there may be a communication error between the devices. At this time, you can try to re-establish the connection; if this method is invalid, it may indicate that the device hardware is faulty. In this case, you need to contact technical support

B: If the MaxiSCR device cannot establish normal communication, a prompt message will appear on the screen and provide the corresponding inspection instructions. The possible causes of this problem are as follows:

- The MaxiSCR device cannot establish a communication connection with the vehicle.

- The vehicle is not equipped with the selected system.
- The vehicle or MaxiSCR connector is loose.
- The vehicle fuse is blown.
- The wiring of the vehicle, data cable or connector is faulty.
- There is a circuit failure in the data cable or connector.
- The entered vehicle identification code is incorrect.

## 3 Compliance Information

### FCC COMPLIANCE

**FCC ID: WQ8MAXISYSSCR**

This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences; et
2. Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

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### WARNING

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

the equipment.

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 **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.

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

**FCC WARNING STATEMENT**

This equipment complies with FCC radiation exposure limits set forth for

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

### **RoHS COMPLIANCE**

This device is declared to be in compliance with the European RoHS Directive 2011/65/EU.

### **CE COMPLIANCE**

This product is declared to conform to the essential requirements of the following Directives and carries the CE mark accordingly:

EMC Directive 2014/30/EU

RED Directive 2014/53/EU