

## XAUCY M302

# XAUCY M302 OBD2 Scanner Diagnostic Tool User Manual

Model: M302

## 1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your XAUCY M302 OBD2 Scanner. The M302 is a professional diagnostic tool designed to help identify and clear vehicle engine fault codes, perform oil resets, and monitor various vehicle systems. Please read this manual thoroughly before operating the device to ensure safe and effective use.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- Automobile Engine Fault Diagnosis and Clearing
- Fault Code Inquiry and Freeze Frame Data
- Vehicle Information Reading (VIN, CIN, CVN)
- I/M Readiness Status Check
- Car Battery Voltage Reading
- Oxygen Sensor Test and EVAP System Test
- Real-time Data Stream and Performance Test
- Oil Reset Function
- Cloud Printing of Diagnostic Data
- Supports 11 languages: English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, Portuguese, Polish
- Compatible with most OBD2 compliant vehicles manufactured after 1996 (US), 2000 (EU/Asia)

### 2.2 Device Components

The XAUCY M302 OBD2 Scanner features a 2.8-inch color screen, intuitive navigation buttons, and a standard OBD2 connector cable.



Figure 1: Front view of the XAUCY M302 OBD2 Scanner, showing the color display, navigation buttons (EXIT, I/M, DTC, OK, arrow keys), and the integrated OBD2 cable.

# General Diagnosis+Oil Reset

Car Diagnostic Tool **OBD II**

- Oil reset
- Automobile engine diagnosis
- Car fault code clearing
- Fault code query
- Real-time data streaming
- Automotive instrument data
- DTC LOGA
- xygen sensor test
- Cloud print
- Fault freeze frame
- I/M ready status
- Mode 6
- Mode 8
- Version information
- Software upgrading

Delivery  
Tool Box



Figure 2: The XAUCY M302 scanner alongside a list of its general diagnostic and oil reset capabilities, including engine diagnosis, fault code clearing, real-time data streaming, and software upgrading.

## 3. SETUP

1. **Locate the OBD2 Port:** The OBD2 port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you cannot find it.
2. **Connect the Scanner:** Plug the OBD2 connector cable from the M302 scanner firmly into the vehicle's OBD2 port.
3. **Turn On Ignition:** Turn the vehicle's ignition to the 'ON' position (do not start the engine unless instructed by a specific test). The scanner will power on automatically.
4. **Select Language:** If prompted, select your preferred language from the available options.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Navigation

- **Arrow Keys:** Use the Up/Down/Left/Right arrow keys to navigate through menus and select options.

- **OK Button:** Press 'OK' to confirm a selection or enter a submenu.
- **EXIT Button:** Press 'EXIT' to return to the previous menu or exit a function.
- **I/M Button:** Quickly access I/M Readiness status.
- **DTC Button:** Quickly access Diagnostic Trouble Code (DTC) lookup.

## 4.2 Reading and Clearing Engine Fault Codes

This function allows you to read current, pending, and permanent Diagnostic Trouble Codes (DTCs) and clear them from the vehicle's Engine Control Unit (ECU).

1. From the main menu, select 'OBDII' or 'Diagnosis'.
2. Select 'Read Codes' to view stored fault codes.
3. To clear codes, select 'Clear Codes'. Confirm the action when prompted. Clearing codes will turn off the Check Engine Light (MIL).

## Self Developed Main Control Chip

The CY100 high-performance control chip developed for automotive diagnostic products has doubled its performance.



## Overcurrent and Overvoltage Protection

Strengthening circuit protection has improved product stability.




Figure 3: The M302 scanner connected to a vehicle, displaying a diagnostic trouble code (DTC) query for a P3102 code related to a Toyota transmission control ECU. This illustrates the process of reading fault codes.

## 4.3 Oil Reset Function

The oil reset function allows you to reset the oil service light after an oil change, ensuring your vehicle's maintenance schedule is accurately tracked.

1. From the main menu, select 'Oil Reset'.
2. Follow the on-screen instructions to perform the oil service reset. Specific steps may vary by vehicle make and model.

#### 4.4 Vehicle Information

This function retrieves the Vehicle Identification Number (VIN), Calibration Identification (CIN), and Calibration Verification Number (CVN) from the vehicle's ECU.

1. From the main menu, select 'Vehicle Info'.
2. The scanner will display the available vehicle information.

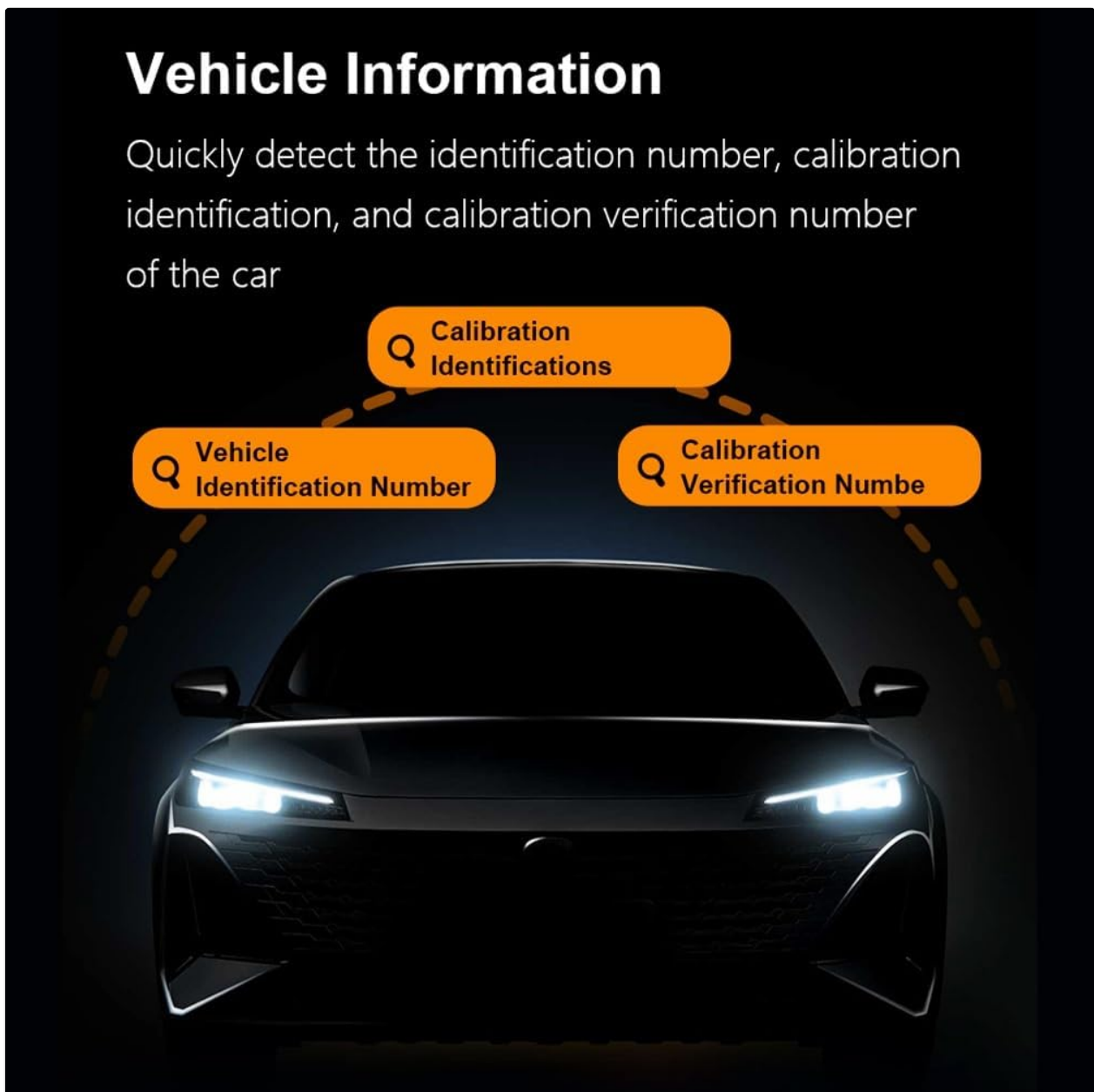


Figure 4: An illustration depicting how the M302 scanner can quickly detect and display vehicle identification number, calibration identifications, and calibration verification numbers from a car's system.

#### 4.5 Cloud Printing

The cloud printing feature allows you to generate a QR code for diagnostic data, which can then be scanned

with a mobile phone to save or print the diagnostic report.

1. After completing a diagnostic scan, navigate to the 'Cloud Print' option.
2. A QR code will be displayed on the scanner's screen.
3. Use your smartphone to scan the QR code. This will allow you to access and print the diagnostic data.

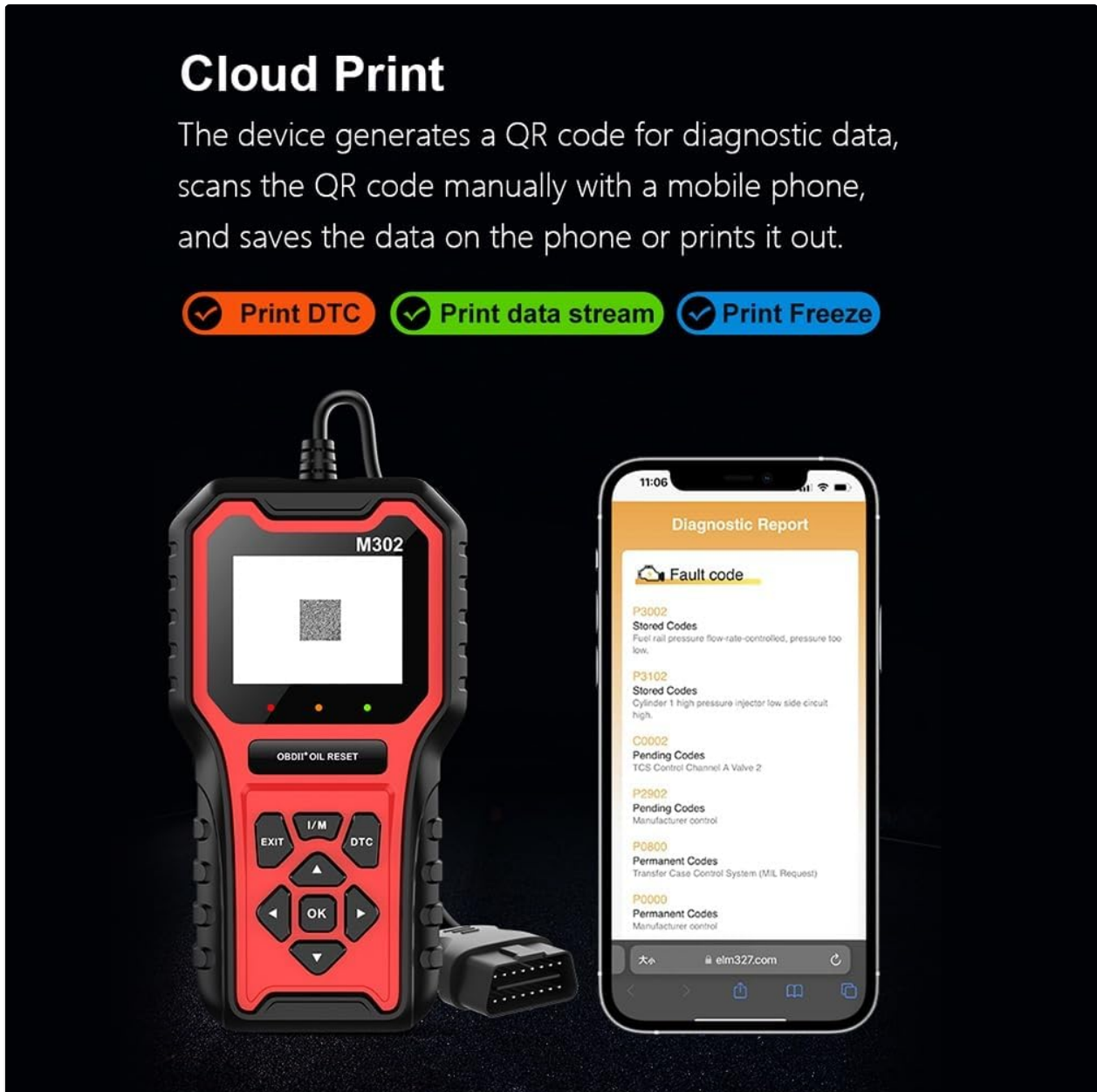


Figure 5: The M302 scanner displaying a QR code for cloud printing, with a smartphone on the right showing a diagnostic report after scanning the code. This feature allows for easy saving and printing of diagnostic data.

## 5. MAINTENANCE

### 5.1 General Care

- Keep the device clean and dry. Avoid exposure to extreme temperatures or humidity.
- Do not drop or subject the device to strong impacts.
- Clean the screen with a soft, lint-free cloth. Do not use abrasive cleaners.

### 5.2 Software Updates

Regular software updates ensure optimal performance and compatibility with new vehicle models and

diagnostic protocols.

1. Visit the official XAUCY website for the latest software updates.
2. Download the update tool to your computer.
3. Connect the M302 scanner to your computer using a USB data cable.
4. Follow the on-screen instructions of the update tool to complete the software upgrade.



Figure 6: The M302 scanner connected to a laptop via a data cable, illustrating the process of downloading and installing software updates to enhance device functionality and compatibility.

## 6. TROUBLESHOOTING

- **Device does not power on:** Ensure the OBD2 connector is securely plugged into the vehicle's port and the vehicle's ignition is in the 'ON' position. Check the vehicle's battery voltage.
- **Link error/No communication:** Verify the vehicle is OBD2 compliant and manufactured within the supported years. Check for loose connections. Try the scanner on another compatible vehicle if possible.
- **Screen frozen:** Disconnect the scanner from the vehicle, wait a few seconds, and reconnect. If the issue persists, perform a software update.

- **Incorrect data readings:** Ensure the vehicle's engine is running (if required for specific tests) and all connections are secure.

## 7. SPECIFICATIONS

Parameter	Value
Model	M302
Working Voltage	DC 9V ~ 16V
Operating Current	48 ~ 72mA
Operating Environment Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Display	2.8-inch Color Screen
Supported Languages	English, German, French, Spanish, Italian, Russian, Dutch, Chinese, Japanese, Portuguese, Polish, Korean
Supported Protocols	SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2, ISO 14230-4 KWP, ISO 15765-4 CAN
Product Weight (approx.)	372g
Package Dimensions (approx.)	162mm x 71mm x 295mm

# Specification Parameters

Product model:	<b>M3029~16V</b>
Operating voltage:	<b>-20~60□</b>
Operating environment:	<b>-20~60□</b>
Storage temperature:	<b>195x106.4x34mm</b>
Product size:	<b>372g (Product)</b>
Product weight:	<b>800g (with packaging)</b>
Package size:	<b>162x71x295mm</b>
Carton size:	<b>50.5x36.5x31.6cm</b>
Carton capacity:	<b>15pcs</b>
Supported language:	<b>EN/DE/FR/ES/IT/RU/PL/PT/ZH/JA/KR</b>

Figure 7: A visual representation of the XAUCY M302's specification parameters, including product model, operating voltage, operating environment, storage temperature, product size, and supported languages.

# Read/Clear Engine Fault Codes and Clear Them

Quickly read the fault problems of the car engine working status and clear the fault codes.



Figure 8: An illustration highlighting the M302's internal components, specifically the CY100 high-performance control chip and the integrated overcurrent and overvoltage protection mechanisms designed to enhance product stability and performance.

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official XAUCY website. Please retain your proof of purchase for warranty claims.