

XAUCY YM319

XAUCY YM319 OBD2 Scanner User Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your XAUCY YM319 OBD2 Scanner. Please read this manual thoroughly before operating the device to ensure correct usage and to maximize its diagnostic capabilities. This tool is designed to assist in diagnosing vehicle engine systems and assessing battery health.

2. PRODUCT OVERVIEW

The XAUCY YM319 is a handheld OBD2 scanner designed for vehicle diagnostics. It features a user-friendly interface and robust functionality for reading and clearing fault codes, monitoring live data, and performing battery tests.



Front view of the XAUCY YM319 OBD2 Scanner, showing its display screen, control buttons, and the attached OBDII connector cable.

2.1 Key Components

- **2.8-inch TFT Full Color Screen:** Displays diagnostic information clearly.
- **Control Buttons:** Includes F1, F2, BAT, EXIT, OK, and directional arrow keys for navigation and function selection.

- **OBDII Connector Cable:** Connects the scanner to the vehicle's OBDII port.
- **Indicator Lamps:** Three high-brightness indicator lights for status feedback.
- **TPU Protective Cover:** Provides durability and protection.

Handheld Design

Compact & Powerful,
Plug & Play

*** Key Features**

- 2.8inch TFT Full Color Screen
- Built-in Bright Acrylic Screen Protective Cover
- 3PCS Indicator Lamp
- 2PCS Customized Shortcut Key F1 & F2
- Battery Hot-Key
- Big, Soft and Comfortable Silicone Buttons
- 16PIN Heavy-duty Lead Standard OBD2 Plug
- Anti-slip Handheld Shell Design

13.8cm/5.43inch

7.5cm/2.95inch

2.3cm/0.91inch

Image illustrating the handheld design of the YM319 scanner, highlighting its compact size, 2.8-inch color screen, silicone buttons, and 16-pin OBD2 plug. Dimensions are shown as 13.8cm (5.43inch) height and 7.5cm (2.95inch) width.

3. KEY FEATURES

The YM319 OBD2 Scanner offers a range of features to facilitate comprehensive vehicle diagnostics:

- Supports OBDII/EOBD nine standard protocols for reading engine fault codes.
- Clears engine fault codes and turns off the Check Engine Light.
- Displays Freeze Frame data of automobile faults.
- Checks I/M Readiness Status for emissions testing.
- Retrieves Vehicle Information (VIN, CIN, CVN).
- Monitors real-time data flow and displays data in graphical form.
- Performs Mode 6 Test (component system test).

- Conducts Oxygen Sensor Test.
- Performs Parts Test (EVAP system).
- Includes a built-in Fault Code Query (DTC Lib) function.
- Reads and monitors vehicle battery voltage.
- Assesses vehicle battery life (exclusive feature).
- Supports cloud printing for diagnostic reports.
- Multi-language support with 13 built-in languages.
- Two customizable shortcut keys (F1, F2).
- Adjustable buzzer and backlight brightness.

UPGRADED OBD2 READER TOOL

FULL OBDII/EOBD+CAN MODES

Visual representation of the YM319 scanner's capabilities, including engine fault diagnostics, quick clear fault codes, battery life test, real-time data stream, freeze frame, I/M ready status, oxygen sensor monitoring, vehicle identification number, and EVAP test.

Visual representation of the YM319 scanner's capabilities, including engine fault diagnostics, quick clear fault codes, battery life test, real-time data stream, freeze frame, I/M ready status, oxygen sensor monitoring, vehicle identification number, and EVAP test.

4. SETUP

The YM319 scanner is a plug-and-play device that does not require batteries or external charging. It draws power directly from the vehicle's OBDII port.

4.1 Connecting the Scanner

1. Locate the vehicle's 16-pin Data Link Connector (DLC). This port is typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is in the 'OFF' position.
3. Firmly plug the YM319 scanner's OBDII connector into the vehicle's DLC.
4. Turn the vehicle's ignition to the 'ON' position (engine can be off or running, depending on the diagnostic task). The scanner will power on automatically.

5. OPERATING INSTRUCTIONS

5.1 Navigating the Menu

- **OK Button:** Confirms a selection or enters a menu.
- **EXIT Button:** Returns to the previous menu or exits a function.
- **Arrow Keys (Up/Down/Left/Right):** Navigate through menu options and data screens.
- **F1/F2 Buttons:** Customizable shortcut keys for quick access to frequently used functions.
- **BAT Button:** Dedicated shortcut for battery testing functions.

5.2 Main Functions

From the main menu, select the desired function using the arrow keys and press **OK**.

- **Diagnosis:** Accesses the primary OBDII diagnostic functions.
 - **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) stored in the vehicle's computer.
 - **Clear Codes:** Erases DTCs from the vehicle's computer and turns off the Check Engine Light. *Note: Clearing codes does not fix the underlying problem. Address the issue before clearing codes to prevent recurrence.*
 - **I/M Readiness:** Checks the status of the vehicle's emission-related monitoring systems.
 - **Live Data Stream:** Displays real-time sensor data from the vehicle's engine.
 - **Freeze Frame:** Shows a snapshot of sensor data at the moment a fault code was set.
 - **O2 Sensor Test:** Retrieves oxygen sensor monitoring test results.
 - **EVAP System Test:** Initiates a test of the Evaporative Emission Control System.
 - **Vehicle Information:** Displays the vehicle's VIN, Calibration ID (CIN), and Calibration Verification Number (CVN).

Read and clear vehicle faults with one click



This image demonstrates the scanner's ability to read and clear vehicle fault codes, showing a car dashboard before and after clearing a fault, with the scanner displaying a diagnostic menu.

- **Battery:** Accesses battery testing functions.
 - **Voltage Reading:** Displays the current voltage of the vehicle's battery.
 - **Voltage Monitoring:** Tracks battery voltage over time.
 - **Life Assessment:** Provides an evaluation of the battery's overall health and remaining life.
- **Cloud Print:** Generates QR codes from diagnostic data (real-time data stream, freeze frame, fault code analysis) for saving and printing via a mobile device.
- **DTC Lib:** Allows you to look up definitions for Diagnostic Trouble Codes.
- **Setting:** Configures device settings such as language, unit of measure, buzzer, and backlight brightness.

6. SUPPORTED PROTOCOLS AND LANGUAGES

The YM319 scanner is compatible with a wide range of vehicles and supports multiple languages for user convenience.

6.1 Supported Protocols

- SAE J1850 PWM (41.6Kbaud)

- SAE J1850 VPW (10.4Kbaud)
- ISO9141-2 (5 baud init, 10.4 Kbaud)
- ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
- ISO14230-4 KWP (fast init, 10.4 Kbaud)
- ISO15765-4 CAN (11bit ID, 500 Kbaud)
- ISO15765-4 CAN (29bit ID, 500 Kbaud)
- ISO15765-4 CAN (11bit ID, 250 Kbaud)
- ISO15765-4 CAN (29bit ID, 251 Kbaud)

6.2 Supported Languages

The product includes built-in support for 13 languages:

- Chinese
- English
- Korean
- Japanese
- Russian
- Polish
- Portuguese
- Finnish
- Italian
- French
- Spanish
- Dutch
- German

Wide Automotive Compatibility

13 Languages & 9 Protocol

America
after 1996



Europe
after 2000



Asia
after 2008



13 Languages

English German French Italian
Spanish Dutch Portuguese Chinese
Russian Japanese Korean Polish Finnish

Support 9 Protocols

- ▶ SAE J1850 PWM (41.6 Kbaud)
- ▶ SAE J1850 VPW (10.4 Kbaud)
- ▶ ISO 9141-2 (5 baud init, 10.4 Kbaud)
- ▶ ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
- ▶ ISO14230-4 KWP (fast init, 10.4 Kbaud)
- ▶ ISO15765-4 CAN (11bit ID, 500 Kbaud)
- ▶ ISO15765-4 CAN (29bit ID, 500 Kbaud)
- ▶ ISO15765-4 CAN (11bit ID, 250 Kbaud)
- ▶ ISO15765-4 CAN (29bit ID, 250 Kbaud)

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An illustration detailing the YM319 scanner's wide automotive compatibility, supporting 13 languages and 9 OBDII protocols.

7. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your YM319 scanner.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the scanner in a dry, cool environment, away from direct sunlight and extreme temperatures.
- **Cable Care:** Do not pull the cable forcefully or bend it sharply. Inspect the cable and connector for damage regularly.

8. TROUBLESHOOTING

If you encounter issues with your YM319 scanner, refer to the following common problems and solutions:

- **Device does not power on:**
 - Ensure the OBDII connector is securely plugged into the vehicle's DLC.

- Verify the vehicle's ignition is in the 'ON' position.
 - Check the vehicle's fuse for the OBDII port (refer to your vehicle's owner's manual).
- **Communication error with vehicle:**
 - Confirm the vehicle supports OBDII protocols (most vehicles manufactured after 1996 in the US, 2001 in Europe, and 2008 in Asia).
 - Ensure the ignition is 'ON' and the connection is secure.
 - Try the scanner on a different OBDII-compliant vehicle to rule out scanner malfunction.
- **Cannot clear fault codes:**
 - Some critical fault codes cannot be cleared until the underlying issue is resolved.
 - Ensure the ignition is 'ON' and the engine is off when attempting to clear codes.

9. SPECIFICATIONS

Feature	Specification
Model	YM319
Display	2.8-inch TFT Full Color Screen
Operating Voltage	9-16V (via OBDII port)
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Dimensions (L x W x H)	Approx. 13.70cm x 7.50cm x 2.44cm (5.39in x 2.95in x 0.96in)
Weight	Approx. 10.6 ounces (300g)
Supported Protocols	SAE J1850 PWM, SAE J1850 VPW, ISO9141-2, ISO14230-4 KWP, ISO15765-4 CAN
Languages	13 languages (Chinese, English, Korean, Japanese, Russian, Polish, Portuguese, Finnish, Italian, French, Spanish, Dutch, German)



A precise diagram showing the physical dimensions of the YM319 OBD2 Scanner: 13.70cm (5.39inch) in height, 7.50cm (2.95inch) in width, and 6.20cm (2.44inch) in depth.

10. WARRANTY AND SUPPORT

The XAUCY YM319 OBD2 Scanner comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact XAUCY customer service through the retailer where the product was purchased or visit the official XAUCY website for contact information.