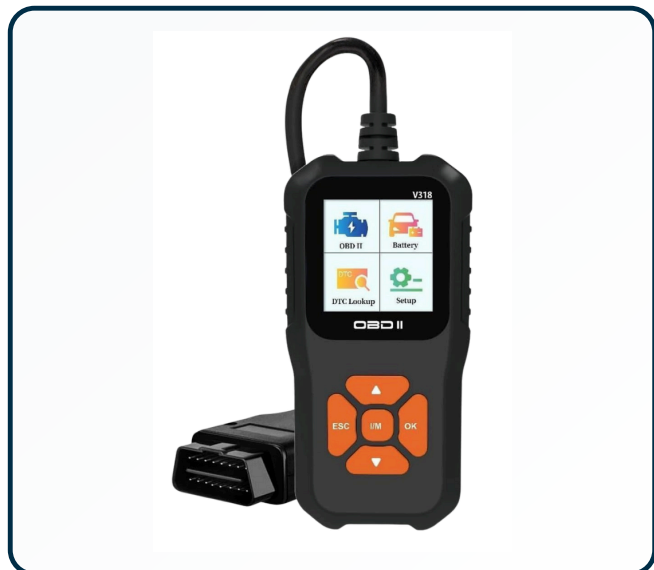


| Document Information    |      |                         |                    |
|-------------------------|------|-------------------------|--------------------|
| <b>Model</b>            | V318 | <b>Product Type</b>     | OBD-II code reader |
| <b>Document Version</b> | v1.0 | <b>Last Updated</b>     | 2026-02-06         |
| <b>Hardware Version</b> | V1.1 | <b>Software Version</b> | V318_MCU_V00.01    |

**Overview**

V318 is a compact OBD-II/EOBD code reader designed for gasoline passenger vehicles. It supports nine standard OBD-II/EOBD protocols and provides essential emissions diagnostic functions including DTC read/clear, Live Data, Freeze Frame and I/M Readiness. This document summarizes key technical parameters and supported functions for product integration, listings, and incoming inspection.



**Key Functions**

- Read and clear DTCs
- Live Data Stream
- Freeze Frame data
- I/M Readiness
- DTC Lookup library
- Data storage & playback
- RealTime Curve (waveform)
- Oxygen Sensor test
- EVAP test (Mode 8)
- Vehicle Info (VIN/CALID/CVN)
- Battery voltage display

**Quick Specs**

- 130×70×25mm
- 1.8" TFT
- 200g
- 55-69mA

**Technical Specifications**

|                              |                              |                            |                                       |
|------------------------------|------------------------------|----------------------------|---------------------------------------|
| <b>Main Control MCU</b>      | BAT32G137GH48FA (LQFP48)     | <b>Display</b>             | 1.8" TFT color screen                 |
| <b>Resolution</b>            | 128 × 160                    | <b>Power Supply</b>        | DC 9-16 V (vehicle DLC)               |
| <b>Working Current</b>       | 55-69 mA                     | <b>Standby Current</b>     | 57 mA                                 |
| <b>Operating Environment</b> | -30 to 70°C                  | <b>Storage Temperature</b> | -30 to 70°C                           |
| <b>Dimensions (L×W×H)</b>    | 130 × 70 × 25 mm             | <b>Weight</b>              | 200 g (no battery)                    |
| <b>Vehicle Interface</b>     | 16-pin OBD-II male connector | <b>UI Languages</b>        | 8 languages (EN/DE/FR/ES/IT/RU/NL/CN) |

**Note:** Screen readability may be limited at extreme temperatures. Recommended operating range: 0 to 60°C.

- Supported OBD-II Protocols (9 Standard Protocols)**
- SAE J1850 PWM (41.6 Kbaud)
  - SAE J1850 VPW (10.4 Kbaud)
  - ISO 9141-2 (5 baud init, 10.4 Kbaud)
  - ISO 14230-4 KWP (5 baud init, 10.4 Kbaud)
  - ISO 14230-4 KWP (fast init, 10.4 Kbaud)
  - ISO 15765-4 CAN (11-bit ID, 500 Kbaud)
  - ISO 15765-4 CAN (29-bit ID, 500 Kbaud)
  - ISO 15765-4 CAN (11-bit ID, 250 Kbaud)
  - ISO 15765-4 CAN (29-bit ID, 250 Kbaud)
  - Automatic detection

- Supported Vehicle Data (Examples)**
- Diagnostic Trouble Codes (DTC)
  - Throttle position
  - Intake manifold pressure
  - Intake air temperature
  - O2 sensor data (if supported)
  - Engine RPM
  - Clear DTC and turn off MIL
  - Airflow rate
  - Fuel pressure (if supported)
  - Fuel consumption (if supported)
  - Short/long term fuel trims
  - Calculated load
  - Coolant temperature
  - Vehicle speed

## Package Contents

V318 diagnostic tool × 1

User manual × 1

## Transportation

- Transport in packaging carton
- Prevent severe vibration, shock, squeezing
- Avoid direct sunlight and rain exposure

## Storage

- Store in dry environment
- Avoid extreme temperatures and dust
- Keep in clean environment when not in use

## Safety & Precautions

- Do not use abrasive cleaners to clean the product
- Keep away from heat sources and open flames
- Avoid long-term direct sunlight exposure
- Do not disassemble or modify the product; there are no user-serviceable parts
- Do not use in rain or high-humidity environments
- If not used for long time, store in dry environment and avoid extreme temperatures and dust

## Notes & Disclaimer

- UI language options may vary by firmware version; refer to actual device menu for final list
- Available functions and data items depend on vehicle ECU, model year and region; some menus may show N/A or may not be available
- This tool is designed for gasoline vehicles that comply with OBD-II/EOBD
- Not intended for new-energy (EV), hybrid, diesel vehicles or non-OBD2 models
- Information in this document is subject to change without notice