

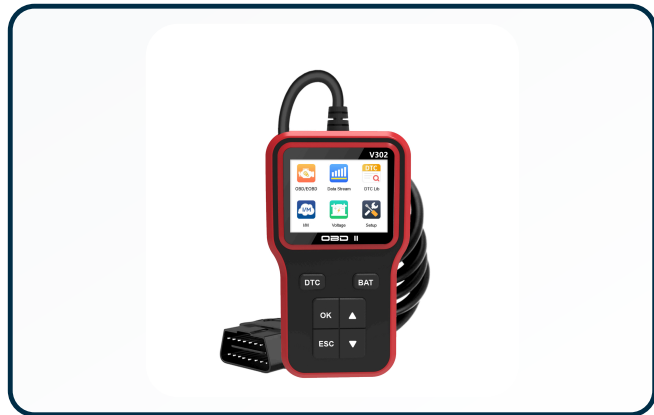
Document Information			
Model	V302	Product Type	Handheld OBD2 Code Reader
Document Version	1.0	Last Updated	05 Feb 2026
Hardware Version	V1.1	Software Version (ref)	V1.5 (2024-01-01)

Overview

This document provides technical specifications and reference information for the V302 handheld OBD2 code reader. Product model: V302 | Hardware version: V1.1 | Reference release date: 05 Jan 2024.

Audience & Purpose

Intended for distributors, wholesalers, OEM and ODM partners (B2B). Summarizes key technical parameters and supported functions for product listings, integration reference and incoming inspection.



OBD Diagnosis
Read/Clear DTCs, turn off MIL, Freeze Frame, I/M Readiness, VIN/CALID/CVN

Live Data & RT Curve
Live Data Stream and Real-time Curve / trend view (vehicle-dependent)

Mode 6 / O2 / Mode 8
O2 Sensor test, On-board Monitor (Mode 6), EVAP/Component test (Mode 8)

Battery Voltage (BAT)
Battery voltage measurement via dedicated BAT shortcut key

Physical Specifications
152 × 87.5 × 22 mm
Weight: 208.6 g (278.6 g with box)
2.8" TFT Color LCD (240 × 320)

DTC Library & Playback
Built-in DTC definition lookup and basic data playback

8 UI Languages
EN / DE / FR / ES / IT / NL / ZH / RU multi-language interface

- Main Functions (Complete List)**
- Read and clear DTCs / turn off MIL
 - View freeze frame data
 - On-board monitor test (Mode 6)
 - Battery voltage test (BAT shortcut key)
 - View live data stream
 - Vehicle information (VIN/CALID/CVN)
 - EVAP / component test (Mode 8)
 - Real-time curve / trend view (RT Curve)
 - Display I/M readiness status
 - O2 sensor test
 - DTC lookup (code definition library)

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

OBD-II 16-pin Interface (Pinout)

Pin	Description	Pin	Description
1	Reserved	9	Reserved
2	J1850+	10	J1850-
3	Reserved	11	Reserved
4	Chassis ground	12	Reserved
5	Signal ground	13	Reserved
6	CAN High (CANH)	14	CAN Low (CANL)
7	K-Line	15	L-Line
8	Reserved	16	Power

Technical Specifications

Model	V302
Product type	Handheld OBD2 code reader
Hardware version	V1.1
Software version (ref)	V1.5 (2024-01-01)
Release date (ref)	05 Jan 2024
Display	2.8" TFT color LCD (240 × 320)
Power supply	DC 9 V to 16 V (via vehicle battery)
Operating current	32 mA to 49 mA
Standby current	39 mA
Operating temperature	-20°C to 60°C
Storage temperature	-20°C to 60°C
Dimensions (L × W × H)	152 × 87.5 × 22 mm
Weight	208.6 g (with color box 278.6 g)
Device UI languages	English, Deutsch, Français, Español, Italiano, Dutch, Chinese, Russian
Connector	Standard 16-pin OBD-II male
Protocols	9 OBD-II / EOBD standard protocols

Packaging Information

Retail box: 200 × 130 × 43 mm
Outer carton: 54 × 42 × 23.5 cm
Qty per carton: 40 pcs
Unit weight: 208.6 g (278.6 g with box)

Storage & Transportation

Storage: Clean, ventilated, cool and dry place; protect from moisture.

Transport: Avoid strong vibration, impact, extrusion, rain and direct sunlight.

UI Languages (8)

- English
- Deutsch
- Français
- Español
- Italiano
- Dutch
- Chinese
- Russian

Package Contents

✓ V302 main unit ×1 ✓ User manual ×1

Safety Information

- The device is intended for OBD2/EOBD diagnostics. It is not a replacement for OEM service information.
- Do not use while driving.

Disclaimer

- Supports OBD-II / EOBD compliant vehicles with the standard 16-pin diagnostic connector.
- The available PIDs, readiness monitors and test modes depend on the vehicle ECU and model year.