

EASE Diagnostics

OBD II Verification Tester with CAN Support (OVT-3020-C)



The EASE OBD II Verification Tester with CAN (OVT-3020-C) is a handheld unit for verifying the correct operation of OBD II interface devices utilized in emissions programs and other applications. To provide complete versatility, the unit is configurable using a software utility to create 8 custom test configurations.

The following can be customized for each of the 8 custom configurations

- OBD II Protocol – ISO-9141 (ISO), ISO 14230 (KWP2000 Fast & Slow), SAE J1850 (PWM & VPW), and ISO 15765/SAE J2284 (CAN)
- OBD Support Level – OBD II (CA ARB), OBD II (FED EPA), OBD & OBD II, OBD I, or NO OBD REQ
- MIL Status – OFF or ON
- I/M Monitors Status – Completed, Not Completed or Unsupported
- Users can enter up to 6 Stored Generic or Manufacturer Specific DTCs - Powertrain (P), Body (B), Chassis (C), and Network (U) are all accepted.
- Fixed values (english or metric) can be set for 30 data parameters.
- Mode 9 Data can be set for VIN, Calibration ID, Calibration Verification Numbers
- The B1/S1 and B1/S2 Oxygen Sensor values can vary in a sine wave pattern between 0 and 1 V

Other features

- The Engine RPM can be set to a fixed 700 or 2500 RPM value or it can be set to vary between 700 and 2500 RPM
- Software supports Windows 98 SE, NT, 2000, ME and XP

Setup

The OVT-3020-C unit is connected to a PC's serial (COM) port. The desired test settings are configured in the software and downloaded to the unit. These settings are saved even after the unit has been powered off. The OBD II interface device to be tested is plugged into the J1962 Diagnostic connector located on the endplate of the unit. Both the OBD II interface device and OVT-3020-C are powered by 12 VDC from an external source. A LED is provided to designate Power status.

Package Includes

OBD II Verification Tester Unit with CAN Support, 1.5 A 12 VDC Power Transformer, Serial Cable, Software Utility, Plastic Storage Case, User's Guide

Parameters that fixed values can be set for

Absolute Throttle Position	Mass Air Flow (MAF)	Short Term Fuel Trim (STFT) – B1/S1
Calculated Load	Oxygen Sensor Voltage – B1/S3	Short Term Fuel Trim (STFT) – B1/S2
Engine Coolant Temperature (ECT)	Oxygen Sensor Voltage – B1/S4	Short Term Fuel Trim (STFT) – B1/S3
Fuel Pressure Gage	Oxygen Sensor Voltage – B2/S1	Short Term Fuel Trim (STFT) – B1/S4
Fuel System 1 Status	Oxygen Sensor Voltage – B2/S2	Short Term Fuel Trim (STFT) – B2/S1
Fuel System 2 Status	Oxygen Sensor Voltage – B2/S3	Short Term Fuel Trim (STFT) – B2/S2
Intake Air Temperature (IAT)	Oxygen Sensor Voltage – B2/S4	Short Term Fuel Trim (STFT) – B2/S3
Intake Manifold Absolute Pressure (MAP)	Secondary Air Status	Short Term Fuel Trim (STFT) – B2/S4
Long Term Fuel Trim (LTFT) – B1	Short Term Fuel Trim (STFT) – B1	Spark Advance - #1
Long Term Fuel Trim (LTFT) – B2	Short Term Fuel Trim (STFT) – B2	Vehicle Speed

Parameters that can be set to vary

- Oxygen Sensor Voltage – B1/S1 - Can be set to vary in a sine wave pattern between 0 and 1 V
- Oxygen Sensor Voltage – B1/S2 - Can be set to vary in a sine wave pattern between 0 and 1 V
- Engine RPM - Can be set to a fixed 700 or 2500 RPM or can be set to vary between 700 and 2500 RPM



- For more information contact EASE Diagnostics at 888-366-EASE (3273) -