



E10

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EV Intelligent Diagnostic Tool

E10 is an intelligent testing device specially designed for the "three-electric" system(Battery, Motor, Electronic Control System) of electric vehicles. It supports offline testing and driving of high-voltage components such as compressors, PTC, DCDC, OBC, and motor controllers; Supports offline reading of high-voltage component data streams, offline code reading, code clearing, and other functions; Supports offline battery pack testing and vehicle testing.



one-machine detection of eight high-voltage accessories



Full coverage of three major automotive repair scenarios



Control panel fault code repair guide



Remote control of equalization and charging/discharging with CE39 host



Features

1. Supports offline diagnosis of the vehicle's 3-electric system(Battery, Motor, Electronic Control System), and one-machine detection of eight high-voltage accessories including electric compressor, DC-DC, OBC on-board charger, PTC, motor, electronic control, battery pack, and high-voltage distribution box, achieving complete coverage of the three major auto repair scenarios of vehicle detection, off-vehicle detection, and control panel detection.
2. With CE39 host, diagnostic, equalization, charging and discharging functions are four in one, supporting diagnostic and equalization charging and discharging work at the same time, and E10 can remotely control CE39 host.
3. Support control panel fault code maintenance guidance, provide troubleshooting ideas, circuit schematics, control panel topology diagrams, and implement guided maintenance.
4. It covers the entire system of more than 95% of electric vehicle models and is continuously updated.
5. Provide four battery pack connection methods: OBD, dedicated connector, jumper connection and fast charging port connection.
6. Provides professional battery pack connectors and integrated aviation plug connectors to enhance testing efficiency.
7. Support ADAS calibration, tire tread detection, insulation tester, oscilloscope, digital power supply, multimeter, current clamp, endoscope, infrared thermal imager and other expansion modules.
8. Dual Wi-Fi design, the host and VCI have independent Wi-Fi connections, and the host's Internet access is not affected when VCI is working.
9. Provides a full vehicle topology diagram, clearly displaying the vehicle communication network for quick fault location.

Tablet parameters

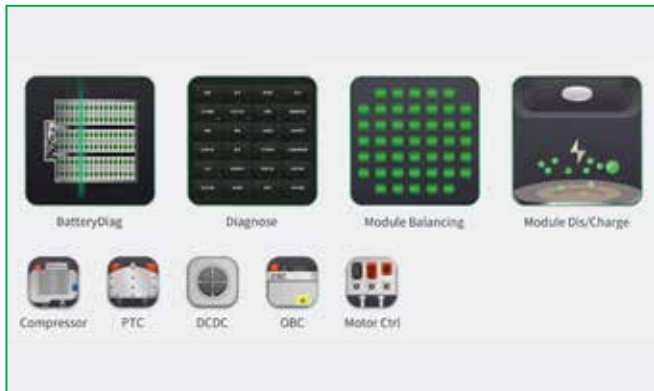
Display	10.1 inches, resolution 800×1280
CPU	2.0GHz octa-core
Memory	4GB
Storage	128GB
System	Android
Wi-Fi	2.4GHz & 5GHz Dual-band, Dual Wi-Fi
Battery	9360mAh/3.8V lithium battery

Charging method	Type-C, contact charging
Interface	Type-C, Type-A, Pogo Pin
Communication	Wi-Fi, Bluetooth, USB
Size	295.9×196×38.6mm
ED BOX operating voltage	DC 9~18V
ED BOX communication method	USB, Bluetooth
ED BOX size	112×72.5×32.5mm

Functions

- 1. Off-vehicle detection:** It supports offline diagnosis and driving after replacement and repair of high-voltage components such as DC-DC converters, OBC on-board chargers, air-conditioning compressors, PTCs, motor controllers, etc., and provides connection instructions to support offline reading of data streams, reading of fault codes and clearing of codes of each component.
- 2. Maintenance Guide:** Supports fault code detection and provides online viewing of fault repair guidance function.
- 3. Battery pack detection:** Supports in-depth battery pack diagnostics for both passenger and commercial vehicle battery brands. It can read SOC/SOH, cell/module voltage, temperature, battery pack status, and fault information. The system automatically calculates key indicators such as total voltage, voltage difference, and highest/lowest voltage, automatically marks abnormal data, and provides information security strategies to protect all data.
- 4. Vehicle detection:** Supports full-function testing of the vehicle's electronic control system, including electric vehicle code reading, code clearing, data stream reading, action testing, special functions, etc.
- 5. Maintenance function:** Supports offline testing of DC-DC converters, OBC onboard chargers, air-conditioning compressors, and 48V mild hybrid components, and supports more than 30 commonly used special functions.
- 6. ADAS Calibration:** Supports ADAS system calibration for many models in Europe, America, Asia and China, and is compatible with all calibration frames of the ADAS calibration series.
- 7. Test report:** Supports classified display of battery pack test report, vehicle test report, ADAS calibration report, etc.
- 8. Software upgrade:** Supports online upgrades of vehicle software, firmware software, and APP software.
- 9. Module extension:** Supports tire tread detection, digital power supply, endoscope, infrared thermal imager and other functional expansions.

one-machine detection of eight high-voltage accessories



Electric compressor, On-board charger, Moto, Electronic control, Battery, High voltage distribution box

Support control panel fault code maintenance guidance



provide troubleshooting ideas, circuit schematics, control panel topology diagrams, and implement guided maintenance

Full coverage of three major automotive repair scenarios



Vehicle detection, Off-vehicle detection, Control panel detection, Control panel fault code repair guide, Troubleshooting ideas, Circuit schematic, Control panel topology, Guided maintenance