



P13

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EV Detection Tool



Scan for more information

P13 is a "special inspection level" electric vehicle detector that integrates battery pack testing, whole vehicle system testing, anti-theft, ADAS, and common maintenance functions.



Deeply customized AAOS system, supports application split screen, and can open two applications at the same time



Pre-installed SmartSafe device applications, Split screen for voice/video communication



Battery pack "special inspection level" inspection, comprehensive vehicle series and full system inspection



Standard patented battery pack special detection connector



New SLC detection connector, support LAUNCH remote detection ecology



Features

1. Wide model coverage, covering the full system diagnosis of more than 95% of electric vehicle models, and is continuously updating.
2. Supports offline testing functions of multiple components and multiple maintenance functions.
3. Supports 4 battery pack connection methods, special connector for patented battery pack, high detection efficiency.
4. Topology map display, and provides vehicle topology map, clearly displays vehicle communication, and quickly locates fault points.
5. Standard remote diagnostic box, support super remote, independent WIFI communication.
6. The AAOS system is deeply customized and supports split-screen display of applications. During vehicle detection, the browser can be used to query data in split-screen mode.
7. Intelligent connection of multiple devices, supporting four-wheel alignment, tire tread detection, ADAS, anti-theft, and EV detection and maintenance equipment.
8. Supports the merging of multiple device reports, and different detection reports of the same vehicle can be merged into a comprehensive report;
9. 13.3-inch high-definition display screen, featuring a brand-new industrial design, utilizes state-of-the-art materials and processes, with an ultra-light and ultra-thin body.

Parameters

Host	
Display	13.3inches(1920×1080)
CPU	2.0GHz Octa-core
Memory	8GB
Storage	256GB
System	AAOS(Android 10)
Wi-Fi	2.4GHz/5GHz dual-band dual Wi-Fi
Camera	Front 8MP, Rear 13MP
Battery	13600mAh/3.8V
Interface	USB, Type C, DC-IN, Mini HDMI
Communication	Wi-Fi, Bluetooth, USB
Dimensions	355.4×227×34.45mm

VCI	
CPU	Cortex-A7 + Cortex-M7
Memory	256MB
Storage	8GB
System	Linux
Display	3.97 inches, resolution 320×480
Operating Voltage	DC 9~36V
Wi-Fi	2.4GHz/5GHz dual frequency
Interface	Type B, RJ45, OBD-II 16, DC-IN
Communication	Local diagnostic modes: Wi-Fi, Bluetooth, USB
Remote Diagnostic Mode	Ethernet, Wi-Fi
Dimensions	192×107.2×42.5mm

Functions

1. Vehicle inspection: Supports full-system and full-function detection of electric vehicle models such as DTC reading, DTC clearing, data stream reading, action test, and special functions, and supports remote collaboration, super remote, and trial feedback functions.

2. Battery pack detection: Supports battery pack detection for passenger vehicles, commercial vehicles, and battery brands. It can read SOC/SOH, cell/module voltage, temperature, battery pack status and fault information, and automatically calculate total voltage, voltage difference, maximum/minimum Voltage and other key indicator data are automatically labeled with abnormal data.

3. Maintenance function: Supports offline testing of DC-DC converters, OBC car chargers, air conditioning compressors, 48V light hybrid components, etc. Supports maintenance light reset, throttle matching, brake pad replacement, steering angle reset, anti-theft matching, ABS exhaust, injector coding, DPF regeneration, sunroof initialization, gearbox matching.

4. Anti-theft matching: Supports vehicle anti-theft matching, anti-theft chip reading and writing, anti-theft ECU reading and writing, key matching and other functions.

5. ADAS calibration: Supports ADAS system calibration for many models in Europe, America, Asia, and China, and is compatible with ADAS PRO+, ADAS MOBILE, ADAS LITE, ADAS RADAR 3IN1 and other devices.

6. User Center: Supports registering an account, viewing connected devices, and activating diagnostic connectors.

7. Upgrade Center: Supports online upgrade of application software, vehicle model software, and firmware software, and can manage APP and vehicle model software.







8. Report Center: Supports viewing reports generated by all applications, and can filter and merge reports to generate comprehensive reports.

9. Tire equipment application: Supports four-wheel alignment, and tire tread detection functions, and can be connected to WA913 and TTM113.

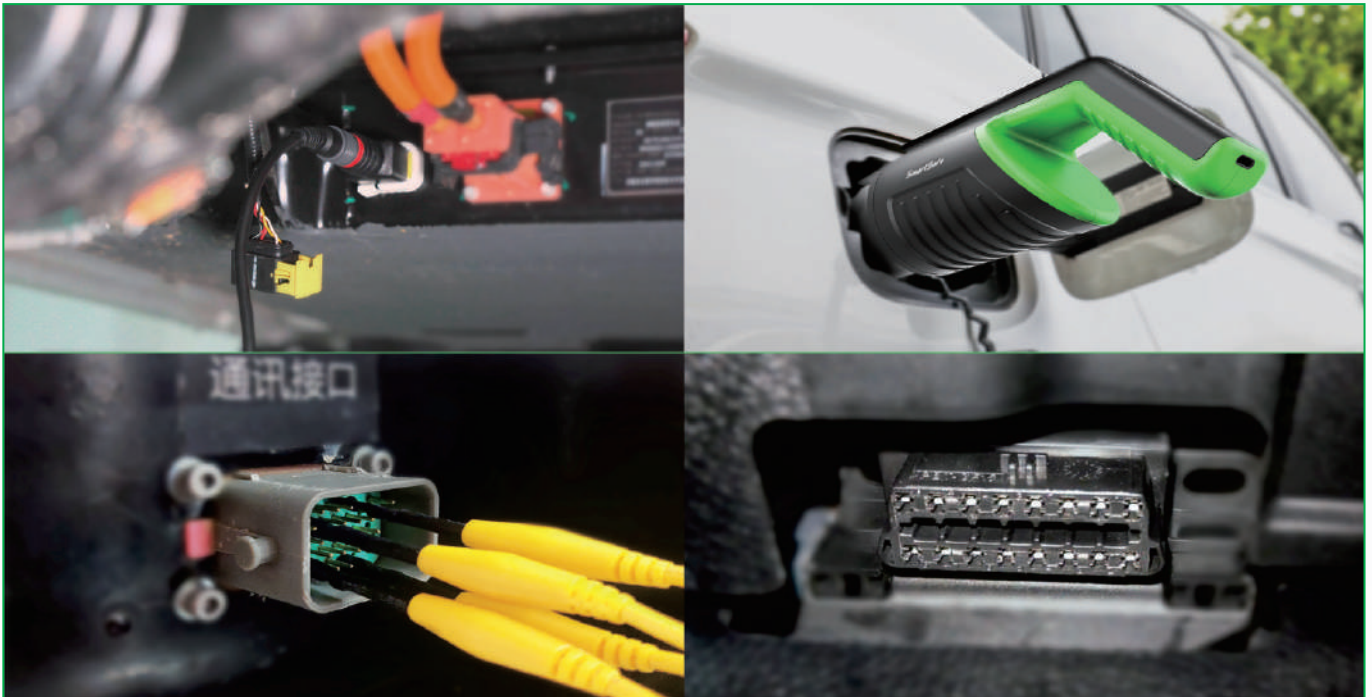
10. Application of EV equipment and tools: Supports equalization testing, wireless equalization, charge and discharge, equalized charge and discharge, air tightness testing, oscilloscopes, multimeters, voltmeters, digital power supplies, insulation tests, current clamps, and Videoscopes.

11. System application: Supports camera, gallery, calculator, calendar, email, file management, browser, and system settings.

Battery Pack Detection Special Adapter List

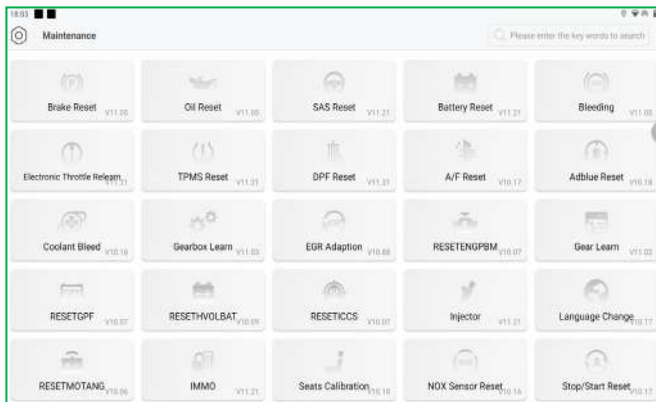
	TL-101R	BYD TANG DM
	TL-102R	BYD HAN EV
	TL-127R	BYD D1
	TL-124B	Tesla Model 3
	TL-152B	Tesla Model 3
	TL-153B	Tesla Model S & X

Four Battery Pack Detection Methods



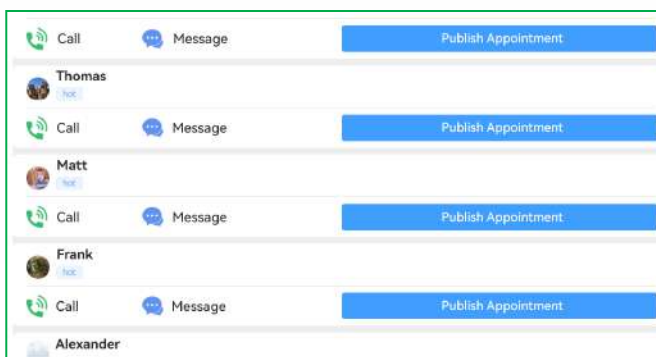
Supporting specialized adapter connection, quick charging port connection (Only for Chinese models), jumper connection, and OBD connection, these four methods offer users a broader range of choices.

Supports offline testing capability



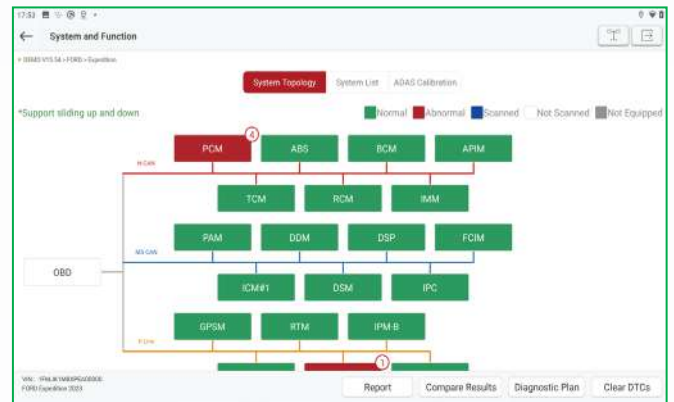
Supports offline testing for components like air conditioning compressors, onboard chargers (OBC), DC-DC converters, and 48V mild hybrid components

Support LAUNCH remote detection ecology



The device initiates a remote diagnosis application, and technical support personnel remotely control the equipment to solve complicated problems. It also supports the release of requirements through super remote diagnosis and pays to find online technicians to quickly solve the problem.

Topological graph for quick fault localization



Provide the whole vehicle topological graph, clearly display the vehicle communication network, and quickly locate the fault point

Coverage for Over 95% of EV Models



Currently, it covers battery pack testing and full-system testing for over 95% of EV brands, with ongoing updates.