



P03

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EV Integrated Detection Tool



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P03 is a professional detection level EV integrated detection tool that integrates battery pack detection, whole vehicle system detection and common maintenance functions. And built-in 4 common detection tools, including oscilloscope, multimeter, insulation tester and current clamp.

 **Battery Pack "Professional Grade" Testing**

 **Dedicated Connector for Battery Pack Testing**

 **Integration of Four Types of Testing Tools**

 **Comprehensive Vehicle Series and Full System Inspection**



Features

1. Built-in 4 common detection tools, including oscilloscope, multimeter, insulation tester and current clamp. Covering common measurement requirements in maintenance scenarios of EV battery pack;
2. Cover more than 95% of the whole system of EVs, and keep updating;
3. Supports testing of DC/DC converter, onboard charger, high-voltage distribution box, and other common maintenance functions;
4. Provide four battery pack connection methods, including OBD, special connector, jumper connection and fast charging port connection;
5. Equipped with battery pack professional connector as standard and integrated aviation plug connector to improve detection efficiency;
6. Support ADAS calibration, tread detection, insulation tester, oscilloscope, digital power supply, multimeter, current clamp, video-scope, and other expansion modules;
7. Dual WIFI design, the host is connected to the VCI with independent WIFI, and the VCI does not affect the host to access the Internet when it is working;
8. Provide the whole vehicle topological graph, clearly display the vehicle communication network, and quickly locate the fault point.

Parameters

Host		VCI	
Display Size	10.1inches(1920x1200)	Voltage	DC9~36V
CPU	2.0GHz	CPU	Cortex-A7 + Cortex-M7
Memory	8GB	Memory	256MB
Storage	256GB	Storage	8GB
System	Android10	System	Linux
Wi-Fi	2.4GHz/5GHz	Wi-Fi	2.4GHz/5GHz
Camera	13.0 MP	Communication	Wi-Fi, BT, USB
Battery	3.7V/18720mAh	Interface	USB Type B, OBD II -16, DC-IN
Interface	Type A, Type C	Size	197×40×83mm
Communication	Wi-Fi, BT, USB		
Size	440×120×298mm		

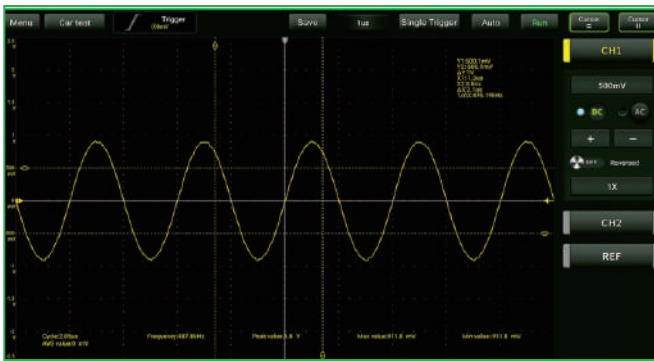
Functions

- 1. Battery pack detection:** support battery pack detection of passenger car and commercial vehicle battery brands, read SOC/SOH, monomer/module voltage, temperature, battery pack status and fault information, and automatically calculate total voltage and differential pressure , key index data such as the highest/lowest voltage, and automatically mark abnormal data;
- 2. Vehicle detection:** support the whole system and full-function detection of EVs, such as code reading, code clearing, data flow reading, action testing, and special functions;
- 3. Fast charging port detection:** connect the fast charging detection gun with Bluetooth, and read the battery pack data through the fast charging port of the vehicle to realize fast detection of the battery pack;
- 4. Maintenance function:** support offline testing of DC-DC converters, OBC car chargers, air conditioner compressors, 48V light hybrid components, etc., and support 30+ common special functions;
- 5. ADAS calibration:** supports ADAS system calibration of many models in Europe, America, Asia and China, and is compatible with all calibration main frames of ADAS calibration series;
- 6. Test report:** support the display of battery pack test report, vehicle test report, ADAS calibration report, etc;
- 7. Software upgrade:** support online upgrades, including model software, firmware software, and APP software;
- 8. Module expansion:** support tread detection, digital power supply, oscilloscope, multimeter, current clamp, insulation test, endoscope and other functional expansions.

Battery Pack Detection Special Adapter List

	TL-100R	BYD E5		TL-109Y	Neta V
	TL-101R	BYD Don		TL-119Y	Chery Ant
	TL-102R	BYD E-SEED GT		TL-114Y	ROEWE EI5
	TL-126R	BYD Qin PRO		TL-110B	AEOLUS E70
	TL-127R	BYD D1		TL-112B	AEOLUS D60
	TL-105R	WULIN Mini		TL-124B	Tesla Model 3 & Y
	TL-130R	GAC MOTOR GE3		TL-106R	Xiaopeng P7
	TL-143R	GAC Aian S PLUS		TL-113Y	ROEWE EI6
	TL-107R	Xiaopeng G3		TL-152B	Tesla Model 3 & Y
	TL-104Y	WM Motor EX5		TL-153B	Tesla Model S & X
	TL-108Y	EMGRAND EV45			

Integration of four detection tools



Oscilloscope



Multimeter



Insulation Tester



Current Clamp

Battery Pack Detection Specialized Adapters Innovatively supports quick charging port testing



Equipped with specialized adapters for various battery pack brands, no need for complex jumper operations, plug and play for instant testing.



By connecting to the quick charging port and reading battery pack data, rapid battery pack testing is achieved (Only for Chinese models)

Dedicated Battery Pack Testing Software



Built-in dedicated battery pack testing software, supports battery pack testing based on car brand or battery manufacturer, allowing users to access battery pack testing functions more quickly

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