

AC719+



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SmartSafe

2026 Product Catalog

WA613



PRODUCT SERIES

01

CE Calibration Equipment

03

TE Tire Equipment

10

ME Maintenance Equipment

21

EE EV Equipment

WAA613 V2.0

ADAS Calibration Equipment with Wheel Alignment

The WAA613 V2.0 is an intelligent calibration system that integrates ADAS calibration and wheel alignment. By replacing conventional physical targets with digital targets, it provides a more convenient, intuitive, and space-efficient calibration solution.

 Integrated ADAS Calibration and Wheel Alignment for a More Consistent, Streamlined Calibration Process

 75-Inch Smart Display with ST13 Wireless Screen Casting and Intelligent Digital Target Display for Intuitive, Space-Saving Calibration

 Upgraded Leveling Mechanism and Push-Handle Design for Improved Ergonomics and Operating Comfort

 ADAS Calibration Coverage for Over 95% of ADAS-Equipped Vehicle Models, Plus Wheel Alignment Data for More Than 50,000 Vehicle Models



Functions

1. Intelligent ADAS Calibration: Supports automatic switching between digital targets, reducing the installation and storage requirements associated with conventional physical targets.

2. Wheel Alignment Measurement: Supports both standard and quick measurement modes and measures key alignment parameters, including toe, camber, caster, thrust angle, wheelbase, and track width.

3. Laser Measurement: Uses laser measurement to collect centering, parallelism, and calibration bar height data.

4. Smart Terminal Connectivity: Supports wireless screen casting from the ST13 smart terminal to the 75-inch display, providing real-time visualization of ADAS calibration and wheel alignment measurement data.

5. Vehicle Database: Covers data for over 95% of ADAS-equipped vehicle models. Users can search by vehicle model, model year, and other vehicle information to automatically retrieve the corresponding calibration specifications.

6. Professional Reports: Automatically generates wheel alignment inspection and ADAS calibration reports, with support for electronic sharing and digital archiving.

Parameters

Equipment Dimensions	3080 × 893 × 1685~2167mm
Crossbeam Center Height Adjustment Range (from Ground)	348 mm~830 mm
Column Fore/Aft Fine Adjustment Range Operating System	—50 mm~+50 mm
Crossbeam Left/Right Fine Adjustment Range	—50 mm~+50 mm
Crossbeam Angle Fine Adjustment Range	±3°
Pitch Angle Adjustment Range	±3°
Roll Angle Adjustment Range	±4°

Display Parameters

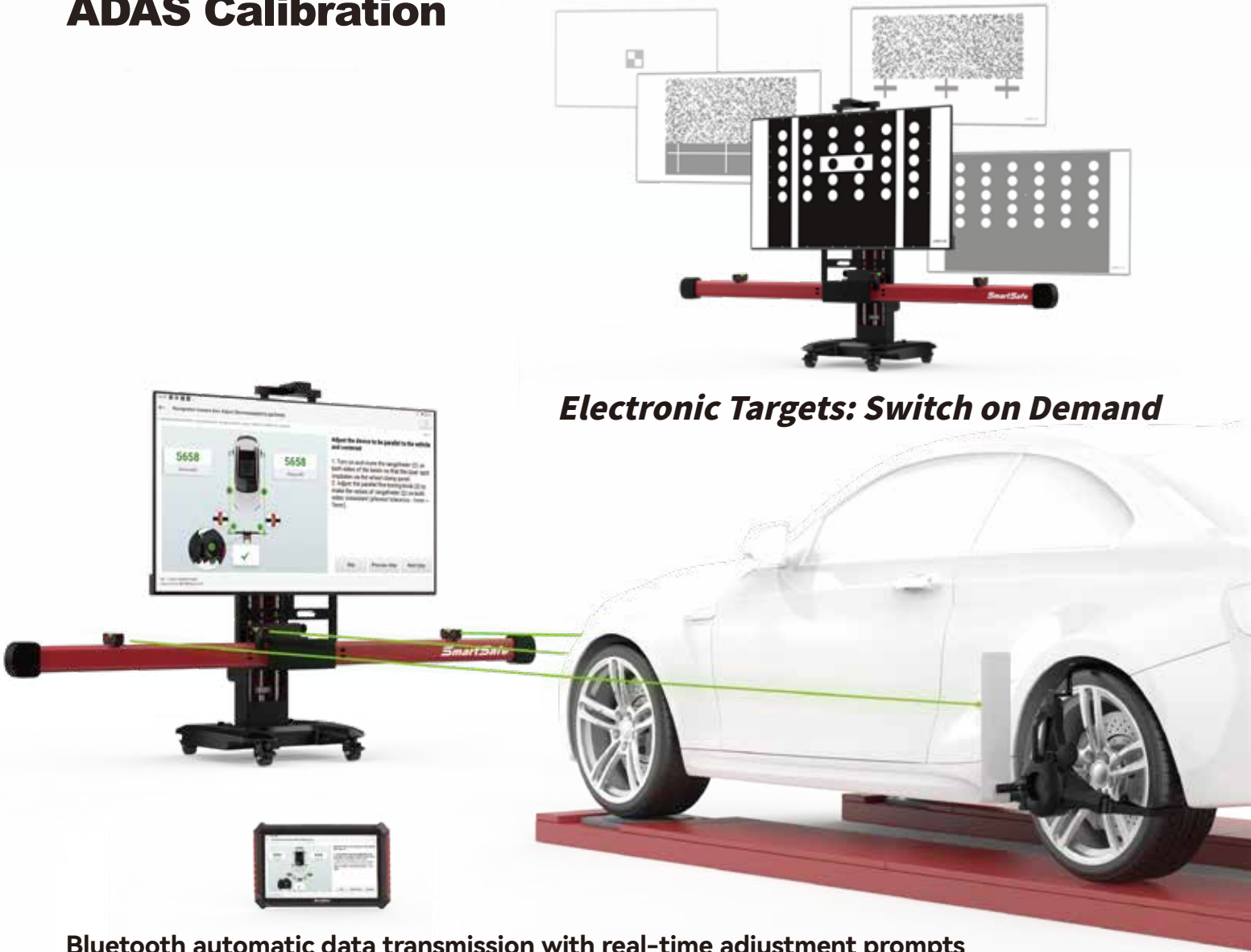
Display Definition	2160p
Screen Size	75 inches
Aspect Ratio	Widescreen 16:9
Resolution	3840 × 2160
Operating System	Android
Network Connection	Wi-Fi
Memory	1.5 GB + 8 GB

Wheel Alignment



Real-time screen mirroring for wheel alignment procedures, with full process visualization

ADAS Calibration



Electronic Targets: Switch on Demand

Bluetooth automatic data transmission with real-time adjustment prompts

WA613 V2.0
Magnetic Wireless 3D Wheel Aligner

The WA613 is the industry’s first magnetic wireless 3D wheel aligner. It is ready to use right out of the box, with no assembly or calibration required.

- Instant experience, ready to use out of the box, no assembly or calibration required
- Providing more services and value in a smaller space
- Lightweight design, smaller packaging and lower shipping costs
- Proprietary patented product solution for more accurate measurements



Functions

- 1.Wheel Alignment Measurement:** Supports standard and quick measurement modes. Measures key parameters including toe, camber, caster, steering axis inclination (SAI), and thrust angle, as well as wheelbase, track width, axle offset, wheel offset, diagonal difference, and center offset.
- 2.Vehicle Database:** Includes wheel alignment data for more than 50,000 vehicle models worldwide and supports user-defined vehicle data.
- 3.Wireless Terminal Connectivity:** Transmits measurement data wirelessly and displays the wheel alignment process when paired with the ST13 smart terminal.
- 4.Inspection Reports:** Generates professional inspection reports, supports before-and-after adjustment comparisons, and enables electronic report sharing.
- 5.No Lift Modification Required:** The measurement units attach magnetically to the lift with no machining or structural modification required. Compatible with full-rise scissor lifts and four-post lifts.

Parameters

Total Toe Angle	±40°	Thrust Angle	±10°
Camber Angle	±15°	Wheelbase	1940~4600 mm
Caster Angle	±20°	Track Width	1290~1900 mm
Steering Axis Inclination (SAI)	±25°	Wheel Rim Diameter (Four-Point Wheel Clamp)	275~640 mm
Maximum Steering Angle	\	Tire Diameter (Three-Point Tire Clamp)	470~1100 mm
Setback Angle	±10°		

Product Composition



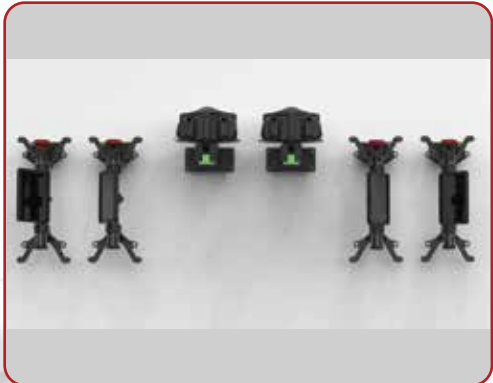
Measuring unit
(One for left / one for right)



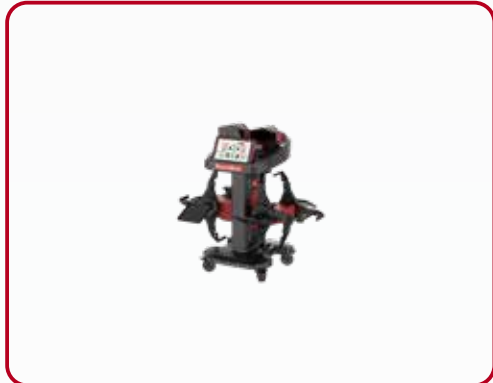
Four-point wheel hub clamp kit



ST13



Measuring units and wheel clamps can be hung on the wall by means of a wall bracket for convenient storage and charging.



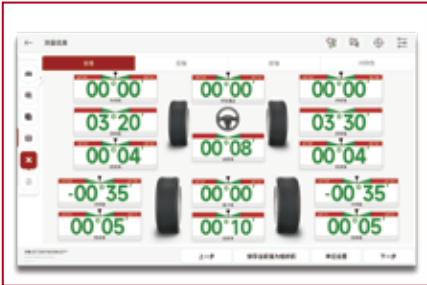
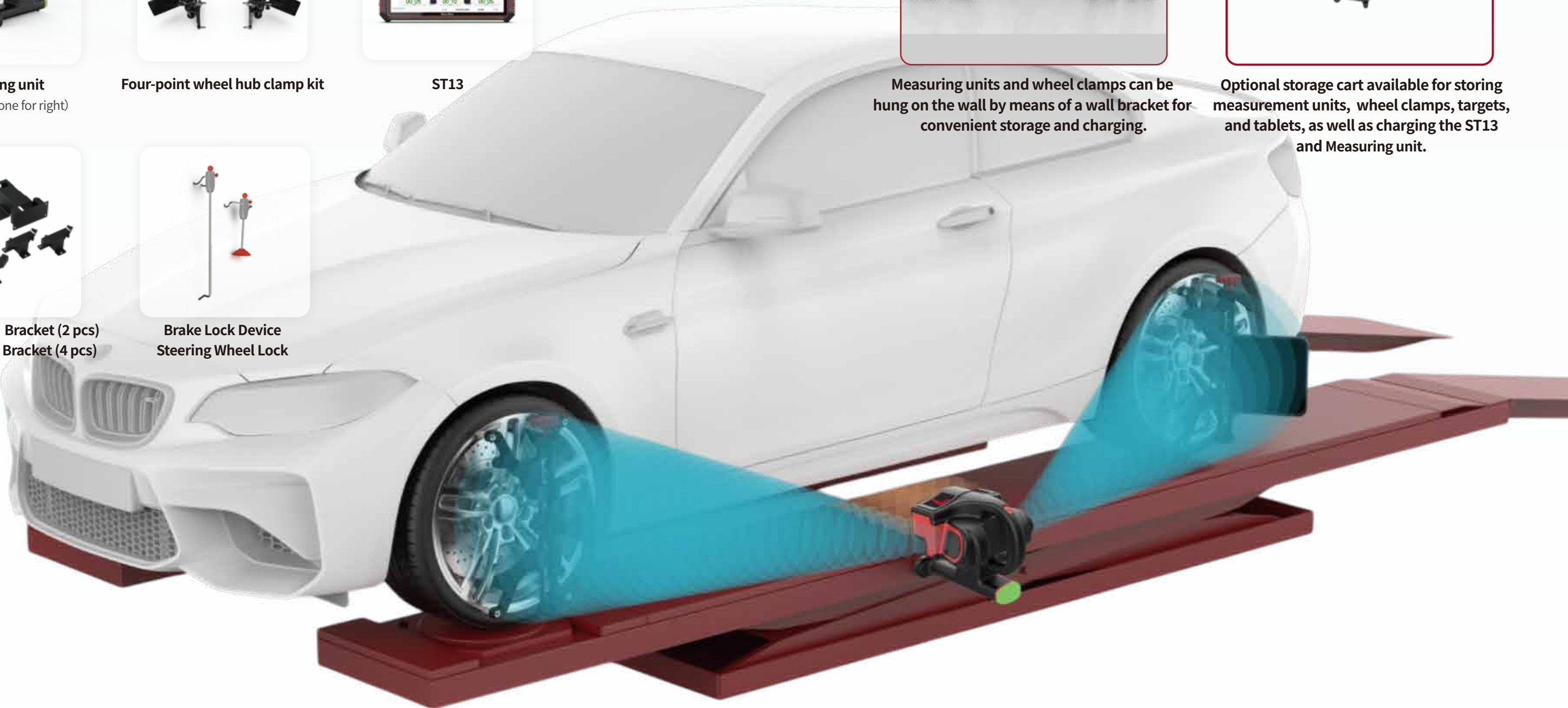
Optional storage cart available for storing measurement units, wheel clamps, targets, and tablets, as well as charging the ST13 and Measuring unit.



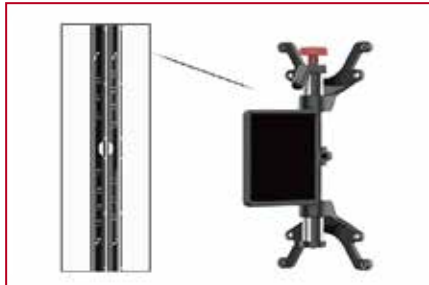
Measuring Unit Bracket (2 pcs)
4 Points Clamp Bracket (4 pcs)



Brake Lock Device
Steering Wheel Lock



Fast output of high-precision four-wheel alignment report



The wheel clamp axle comes with a scale, and the wheel clamp can be pre-adjusted according to the tire diameter.



Magnetic measuring unit, no installation required.



No installation, no debugging, ready to use, save service and time.



Compatible with large scissor lifts and four-post lifts.



Wireless networking, connected to ST13 to display measurement process and results.

TIT513

Handheld Tire Tread Depth & TPMS Tool

The TIT513 is the industry's first handheld 2-in-1 tire tread depth and TPMS inspection tool. By combining two essential tire inspection functions in one tool, it eliminates the need for separate devices, streamlines the inspection workflow, and improves service efficiency.

-  Industry-First Handheld 2-in-1 Tire Tread Depth & TPMS Inspection Tool
-  Tread Depth Measurement with 0.1 mm Resolution
-  TPMS Sensor Activation, Programming, Relearn, and Diagnostics
-  Vehicle Check-In Inspection and License Plate Recognition



Functions

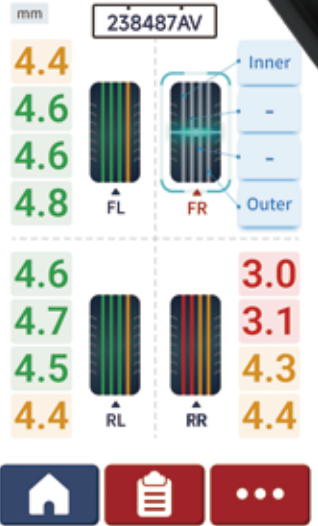
- 2-in-1 Tire Inspection:** After measuring tire tread depth, users can switch to TPMS inspection with one tap and automatically generate a comprehensive inspection report. Tread depth and TPMS inspections can also be performed independently.
- Tire Tread Depth Measurement:** Automatically identifies the number of tread grooves and measures the depth of each groove.
- TPMS Service:** Supports TPMS activation, programming, relearn, and diagnostics.
- Intelligent License Plate Recognition:** Provides a recognition accuracy of over 95% and supports self-learning. License plate information is automatically linked to inspection reports. Supports license plate recognition for 37 countries, including the United States, Germany, Italy, Russia, and Brazil.
- Inspection Reports:** Quickly generates tire tread depth, TPMS, combined tire tread depth and TPMS, and vehicle diagnostic reports.
- Report Sharing:** Inspection reports can be shared with vehicle owners via QR code or email.

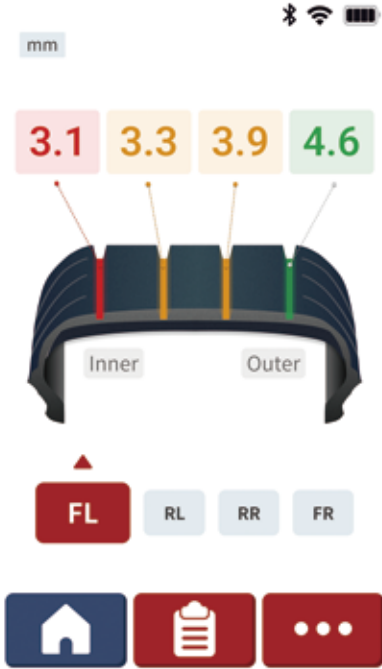
Parameters

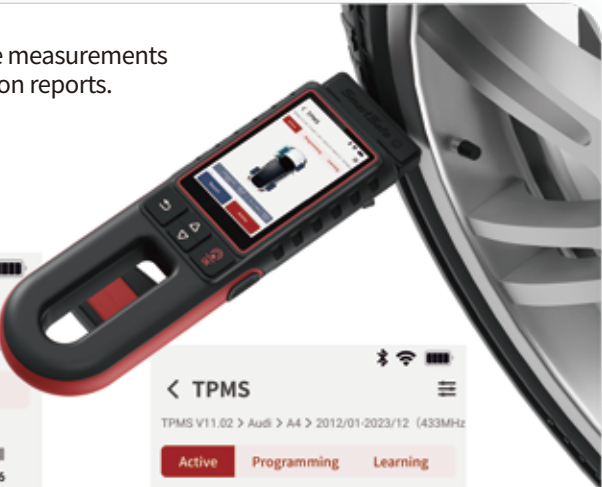
Tread Measurement Accuracy	0.1 mm	Internal Storage	32 GB
Max Tread Measurement Width	180 mm	Display	3.97-inch LCD touch screen, 480×800 resolution
TPMS Communication Frequency Band	315 & 433 MHz	Communication	Dual-band Wi-Fi (2.4GHz/5GHz) & Bluetooth
Measurement Camera	2 MP	Battery	7.4V / 3000mAh
Document Camera	8 MP	Charging Input	DC 5V / 2A
Operating System	Android 10	Storage Temperature	-20~60°C
CPU	MTK8365	Operating Temperature	0~45°C
RAM	2GB	Overall Dimensions	106*268*104mm



Displays real-time tire tread measurement data and quickly generate inspection reports.



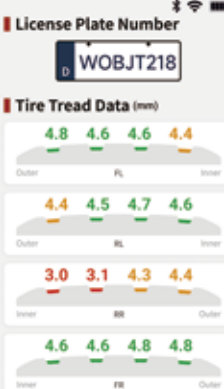


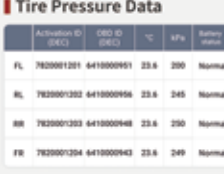


Displays real-time tire pressure measurements and quickly generates inspection reports.

























FollowBot 616

Intelligent Follower Robot

The FollowBot 616 is an intelligent transport robot that precisely and automatically follows a designated target. It works alongside operators to transport materials, reducing physical workload and improving operational efficiency.

 **Automatic Following Reduces Manual Handling and Unnecessary Back-and-Forth Trips**

 **Fast Target Lock-On with Intelligent Obstacle Detection and Avoidance**

 **Designed to Transport Equipment, Tools, Tires, Workshop Consumables, and Other Service Materials**



Functions

- 1. Target Recognition and Following:** Identifies and locks onto the designated operator, then maintains continuous following as the operator moves.
- 2. Automatic Direction Adjustment:** Automatically adjusts its direction of travel in response to changes in the operator's position and direction of movement.
- 3. Obstacle Detection and Avoidance:** Detects obstacles ahead during operation and automatically adjusts its travel path to navigate around them.
- 4. Workshop Material Transport:** The cargo platform accommodates equipment, tools, tires, workshop consumables, and other service materials for efficient transport between work bays.
- 5. Equipment Expansion:** The embodied motion-control base and AI perception capabilities support future expansion into other application scenarios. The base supports the addition of different types of guardrails and storage racks (customizable).

Parameters

Max Load Capacity	80KG	Max Speed	4km/h
Cruising Range	10km	Charging Time	4~5h
Gap Crossing Width	3cm	Battery	24V/10Ah
Obstacle Crossing	2cm	Max Climbing Gradient	15°

STEP 1

Press to identify and lock the target



STEP 3

Press pause to stop, then load or unload.



STEP 2

Auto-follows the target for short-distance material transfer



STEP 4

Park in the designated area and connect the charger.



Intelligently identifies and continuously follows the target user, adapting smoothly to movement for effortless, hands-free mobility.



Precise Recognition

Quickly locks onto the target and reliably detects the user's position.



Smart Obstacle Avoidance

Detects the surrounding environment in real time and navigates smoothly around common obstacles.



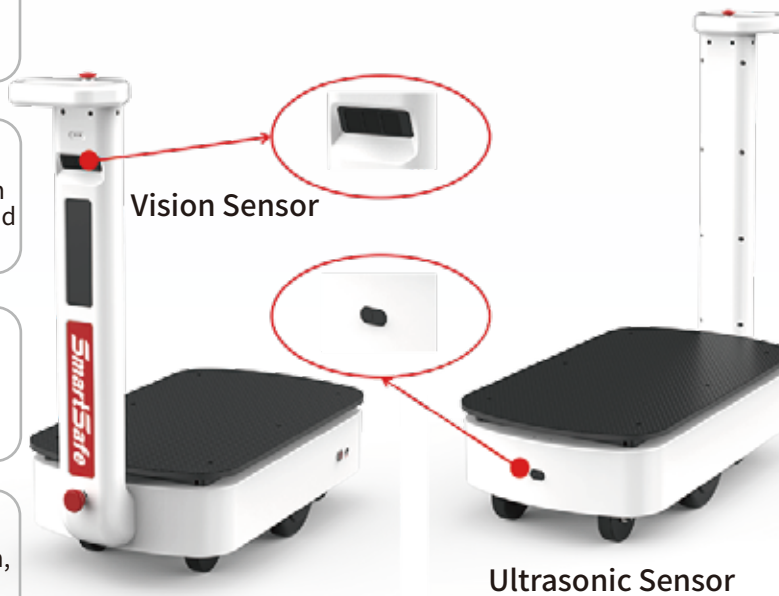
Responsive Following

Tracks the user's movement speed in real time for smooth, natural following.



Accurate Direction Detection

Detects changes in movement direction, easily adapting to turns and backward movement.



AC719+

A/C Service Station with HVAC Diagnosis

An intelligent system integrating automotive A/C diagnostics with conventional A/C service functions for in-depth system inspection and maintenance.

- ✔ Supports 70,000+ AC database, covering mainstream ICE, HEV/PHEV, and BEV models
- 🔧 Supports A/C diagnostics for ICE, HEV/PHEV, and BEV vehicles, including Tesla A/C diagnosis and service
- 🚐 Supports large-capacity A/C system servicing for heavy-duty vehicles such as buses
- 🚐 Supports A/C pressure Monitoring and adjustment for system condition analysis



Functions

- A/C Diagnostics and Pressure Adjustment:** Diagnoses A/C systems in internal combustion engine vehicles, electric and hybrid vehicles, and buses, while measuring and adjusting system pressure.
- Pressure Testing and Adjustment:** Tests the operating pressure on the high- and low-pressure sides of the vehicle's A/C system. When abnormal pressure is detected, the system pressure can be adjusted in real time through refrigerant charging and recovery.
- Refrigerant Recovery:** Recovers used refrigerant from the vehicle A/C system for proper handling and reuse.
- A/C System Flushing:** Removes contaminants from the A/C system as part of the service process.
- Vacuum Evacuation:** Evacuates the A/C system to remove air and moisture from the lines, preparing the system for refrigerant charging.
- Leak Detection:** Monitors pressure changes to detect the sealing integrity of the A/C system, helping identify potential leaks before refrigerant and compressor oil charging.
- Oil and UV Dye Injection:** Supports PAG oil, POE oil, and UV dye injection.
- Refrigerant Charging:** Charges refrigerant into the A/C system according to preset parameters.

Parameters

Applicable Vehicles	ICE, HEV/PHEV, BEV	Electronic Scale Accuracy	±10 g
Compatible Refrigerant	R134a or R1234yf	Refrigerant Tank Capacity	22 kg
Refrigerant Recovery Rate	≥95%	Bottle Capacity (PAG/POE/UV)	>250 mL
Vacuum Pump Capacity	≥128 L/min (50 Hz) ≥142 L/min (60 Hz)	Used Oil Bottle Capacity	>500 mL
Compressor Power	1/2 HP	Filter Dryer Service Life	120 kg
Pressure Measurement Range (HP/TP)	-1 to 38 bar	Operating System	Android
Pressure Measurement Range (LP)	-1 to 18 bar	Display	10.1-inch Touchscreen
Pressure Measurement Accuracy	±0.5% FS		



AC719+ Supports Commercial Vehicle Air Conditioner Maintenance



AC719+
Combine automotive air conditioner diagnosis
and maintenance
Suitable for gasoline vehicles and electric vehicles
Supports 2 Refrigerants: R134a or R1234yf



Air Conditioner Diagnosis & Maintenance



Gasoline Vehicles & Electric Vehicles

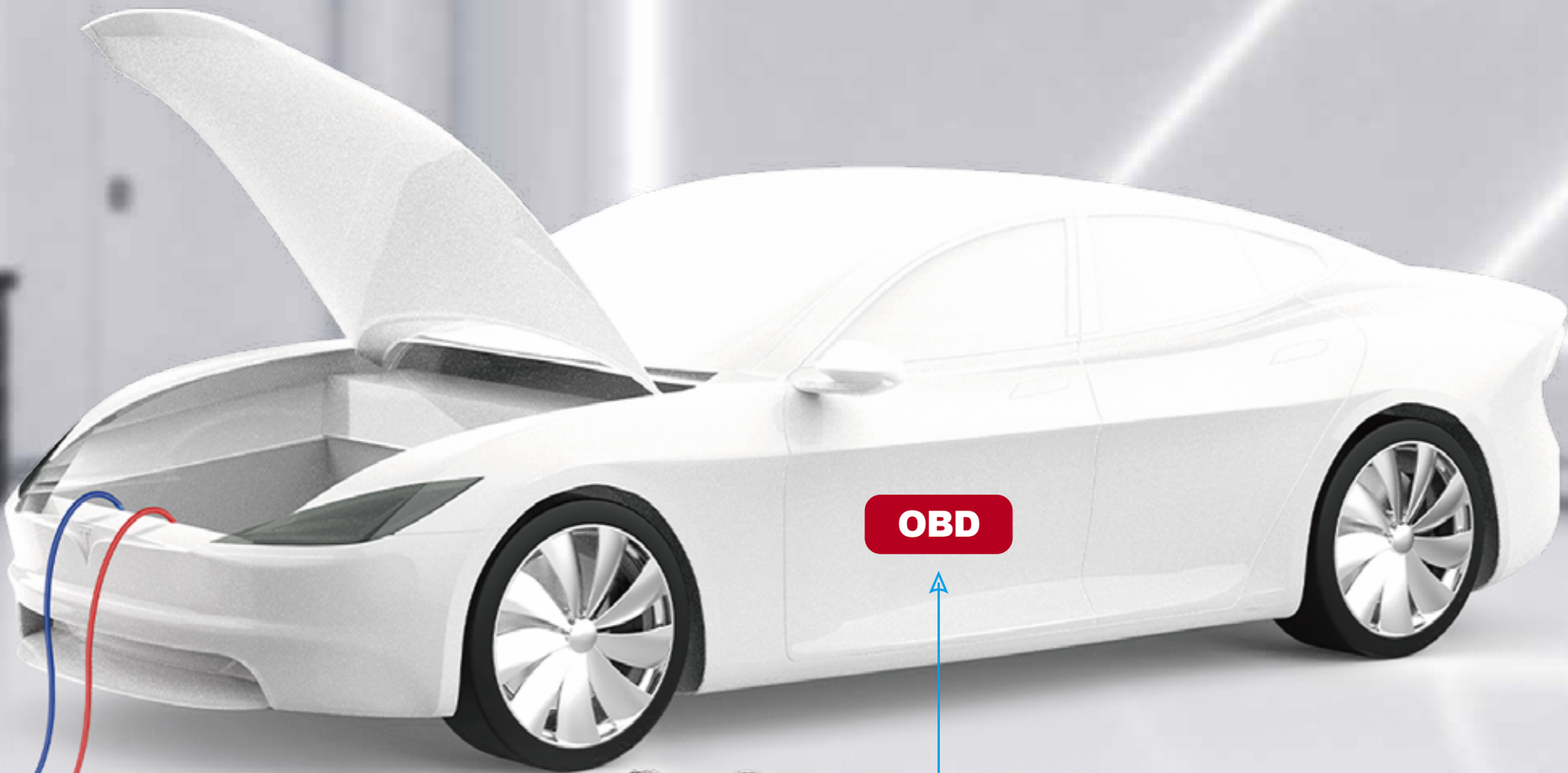


R134a or R1234yf

SmartSafe



Automotive Air Conditioner Maintenance



Automotive Air Conditioner Diagnosis

AC719

A/C Service Station

A professional A/C service station designed to meet conventional automotive air-conditioning service needs.

- ✔ Supports 70,000+ A/C database entries, covering mainstream ICE and HEV/PHEV models
- 📁 Supports complete A/C service, including recovery, vacuum, charging, flushing, and self-cleaning
- 🌐 Supports online and USB updates for easier maintenance
- 🔧 Enhanced tank capacity, vacuum performance, and compressor capability for high-frequency A/C servicing



Functions

- 1. Refrigerant Recovery:** Recovers used refrigerant from the vehicle A/C system for proper handling and reuse.
- 2. A/C System Flushing:** Removes contaminants from the A/C system as part of the service process.
- 3. Vacuum Evacuation and Leak Test:** Removes air and moisture from the system and checks its sealing integrity.
- 4. New Oil Injection:** Injects new oil according to A/C service requirements.
- 5. Refrigerant Charging:** Charges refrigerant into the A/C system according to preset parameters.

Parameters

Applicable Vehicles	ICE, HEV/PHEV	Electronic Scale Accuracy	±10 g
Compatible Refrigerant	R134a or R1234yf	Refrigerant Tank Capacity	22 kg
Refrigerant Recovery Rate	≥95%	New Bottle Capacity	>250 mL
Vacuum Pump Capacity	≥100 L/min (50 Hz) ≥113 L/min (60 Hz)	Used Oil Bottle Capacity	>500 mL
Compressor Power	1/2 HP	Filter Dryer Service Life	120 kg
Pressure Measurement Range (HP/TP)	-1 to 38 bar	Operating System	MCU
Pressure Measurement Range (LP)	-1 to 18 bar	Display	7-inch LCD
Pressure Measurement Accuracy	±0.5% FS		

AC519L

A/C Service Station

A cost-effective A/C service station designed to meet conventional automotive air-conditioning service needs.

- ✔ Supports 70,000+ A/C database entries, covering mainstream ICE and HEV/PHEV models
- 📁 Supports essential A/C service functions, including recovery, flushing, vacuum, and charging, with A/C flushing and self-cleaning functions
- 🌐 Supports online and USB updates for reduced maintenance costs



Functions

- 1. Refrigerant Recovery:** Recovers used refrigerant from the vehicle A/C system and purifies it for reuse.
- 2. A/C System Flushing:** Flushes A/C lines to remove oil residue and contaminants, supporting effective oil replacement, system lubrication, and cooling performance.
- 3. Vacuum Evacuation:** Removes air and moisture from the A/C system before refrigerant charging.
- 4. New Oil Injection:** Injects the required quantity of new oil using electronic-scale control to support proper compressor lubrication.
- 5. Refrigerant Charging:** Charges refrigerant according to vehicle data or preset parameters. Supports low-side, high-side, and combined low-/high-side charging modes.

Parameters

Applicable Vehicles	ICE, HEV/PHEV	Electronic Scale Accuracy	±10 g
Compatible Refrigerant	R134a or R1234yf	Refrigerant Tank Capacity	12 kg
Refrigerant Recovery Rate	≥95%	New Bottle Capacity	>250 mL
Vacuum Pump Capacity	≥51 L/min (50 Hz) ≥57 L/min (60 Hz)	Used Oil Bottle Capacity	>500 mL
Compressor Power	1/2 HP	Filter Dryer Service Life	60 kg
Pressure Measurement Range (HP)	-1 to 38 bar	Operating System	MCU
Pressure Measurement Range (LP)	-1 to 18 bar	Display	7-inch LCD

ATF601+ V2.0

Auto Transmission Cleaner and Fluid Exchanger

A professional ATF service machine designed for a wide range of vehicle transmission maintenance needs.

-  **Built-In Fluid Exchange Database Covering More Than 100,000 Vehicle Applications**
-  **More Than 200 Dedicated Adapters Available as Options**
-  **Automatic Fluid Line Detection with Transmission Flushing and Equal Fluid Exchange**
-  **Precision New-Fluid Heating for More Stable Fluid Exchange**



Functions

- 1. Old Fluid Sampling:** Extracts a sample of the used transmission fluid for condition inspection.
- 2. Transmission Flushing:** Circulates cleaning fluid through the transmission fluid circuit to help remove deposits and contaminants.
- 3. New Fluid Preheating:** Heats new transmission fluid to the preset temperature.
- 4. Transmission Fluid Exchange:** Automatically exchanges used fluid for new fluid.
- 5. Transmission Fluid Level Adjustment:** Adjusts the fluid quantity according to the requirements of the selected vehicle application.
- 6. Machine Draining:** Drains residual fluid from the machine.

Parameters

Oil Exchange Mode	Equal-volume exchange	Operating Temperature	-10~50°C
Temperature Control Range	0~100°C	Noise Level	<70 dB
Equal Exchange Deviation	±100 ml	Display Screen	7-inch LCD
New Oil Tank Capacity	18 L × 2	Pressure Gauge	0~200 psi
Heating Function	Supported	Inlet & Outlet Hoses	2.5 m
Power Supply	AC 110 V/220 V, 50/60 Hz	Drain Hose	1.2 m
Rated Power	3500W (with heating)	Filter Filtration Precision	5 μm
Average Switching Speed	2 L/min	Relative Humidity	<90%

ATF Series Standard Adapter (Compatible with ATF601+ V2.0)

Images	Part Number	Compatible Vehicle Models	Images	Part Number	Compatible Vehicle Models
	A01	General type (TOYOTA, MITSUBISHI SPACE WAGON GLXI) LEXUS ES300, HONDA and NISSAN car type		A11B	FORD LINCOLN, VOLVO
	Φ8			A12A	FORD
	Φ10	General type (TOYOTA, MITSUBISHI SPACE WAGON GLXI) LEXUS ES300 HONDA and NISSAN GLXI)		A12B	FORD CADILLAC
	Φ12			A13A	GENERAL MOTORS CHRYSLER
	A03A	One group CADILLAC, BMW 750 AT type 4HP-22 4HP-24 A421,MITSUBISHI V6,3000		A13B	
	A03B	One group CADILLAC, BMW 750 AT type 4HP-22 4HP-24 A42		A14A	FORD, VOLVO
	A05A	EUROPEAN Eg: New VECTRA, PASSAT		A14B	
	A05B			A15A	CHRYSLER Benxc200,s325i GENERAL MOTORS
	A06A	CHRYSLER GRAND VOYAGER, CHRYSLER 300		A15B	
	A06B			A16A	EUROPEAN
	A07A	EUROPEAN New VECTRA		A16B	
	A07B			A17A	EUROPEAN
	A08A	GENERAL MOTORS LINCOLN, CADILLAC		A17B	
	A08B			A20A	FORD
	A10A	FORD, eg: VOLVO, FORD CHRYSLER: DAIMLER-BENZ		A20B	
	A10B			A43	
	A11A	FORD LINCOLN, VOLVO		A44	

Note: Adapters with empty "Compatible Vehicle Models" in the above table are universal adapters that can be used on multiple vehicle models.

CNC605+ V2.0

GDI/PIEZO Fuel Injector Cleaner & Tester

A professional cleaner and tester for PIEZO, GDI, and EFI fuel injectors.

-  Compatible with Multiple Injector Types (EFI, SPI, SFI, GDI, and PIEZO)
-  One-Touch Resistance Measurement for Multiple Injectors
-  Powerful ultrasonic cleaning
-  Testing Under Multiple Simulated Engine Operating Conditions



Functions

- 1. Resistance Measurement:** Simultaneously measures the internal resistance of up to six fuel injectors, allowing circuit condition to be assessed using resistance values and injector-to-injector comparisons.
- 2. Ultrasonic Cleaning:** Cleans multiple fuel injectors simultaneously using ultrasonic energy to remove deposits.
- 3. Spray Uniformity and Atomization Test:** Checks the delivery uniformity of each injector while the backlit viewing area provides a clear view of the spray pattern and atomization.
- 4. Leak Test:** Checks injector sealing performance and detects leakage under system pressure.
- 5. Injection Volume Test:** Measures the volume delivered by each injector during a 20-second continuous injection cycle.
- 6. Automatic Test Mode:** Tests injector performance under multiple simulated engine operating conditions using preset parameters.
- 7. On-Car Injector Cleaning:** Supports injector cleaning on the vehicle using a range of adapters for different vehicle applications, without removing the injectors.

Parameters

Machine power	500W	Simulation speed range	100~9,900 rpm; step: 100 rpm
Fuel tank capacity	2.5L	External Magnetic Field Strength	<400 A/m
Ultrasonic cleaning machine power	100W	Resistance test range	0~250KΩ
Working pressure	0.1~9bar	Ambient temperature	0°C~45°C
Pulse width	0.1~25ms(step length: 0.1ms)	Relative humidity	<85% RH
Voltage input	AC110V/AC220V 50Hz/60Hz		

CNC605 V2.0

EFI/GDI Fuel Injector Cleaner & Tester

A professional cleaner and tester for EFI and GDI fuel injectors. It simulates multiple engine operating conditions for effective injector cleaning and accurate performance testing.

-  Compatible with Multiple Injector Types (EFI, SPI, SFI, and GDI)
-  Powerful ultrasonic cleaning
-  High-Precision Low-Resistance Measurement
-  Testing Under Multiple Simulated Engine Operating Conditions



Functions

- 1. Resistance Measurement:** Simultaneously measures the internal resistance of up to six fuel injectors, allowing circuit condition to be assessed using resistance values and injector-to-injector comparisons.
- 2. Ultrasonic Cleaning:** Cleans multiple fuel injectors simultaneously using ultrasonic energy to remove deposits.
- 3. Spray Uniformity and Atomization Test:** Checks the delivery uniformity of each injector while the backlit viewing area provides a clear view of the spray pattern and atomization.
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Parameters

Machine power	500W	Simulation speed range	100~9,900 rpm; step: 100 rpm
Fuel tank capacity	2.5L	External Magnetic Field Strength	<400 A/m
Ultrasonic cleaning machine power	100W	Resistance test range	0~50Ω
Working pressure	0.1~9bar	Ambient temperature	-10°C ~ +45°C
Pulse width	0.1~25ms(step length: 0.1ms)	Relative humidity	<85% RH
Voltage input	AC110V/AC220V 50Hz/60Hz		

CNC605+ V2.0 Accessories



Ultrasound cleaner



Fuel distributor





Stopper



Coarse thread adaptor for fuel top-supply Injector



Swiss-thread adaptor for fuel top-supply injector



Adaptor 1 for fuel top-supply injector



Flush-back Adaptor for fuel top-supply injector



Ultrasound stent



Straight drain connector 3



Straight oil drain connector 4



Combination connector M12x1.5



Benz piezo adaptor



Plug for BUICK Injector



Ultrasound cleaner lid



Long screw



CNC-Pulse connecting wire



CNC-Pulse connecting wire 2



CNC-Pulse connecting wire 3



O-ring

CNC605 V2.0 Accessories



Ultrasound cleaner



Fuel distributor





Stopper



Coarse thread adaptor for fuel top-supply Injector



Swiss-thread adaptor for fuel top-supply injector



Adaptor 1 for fuel top-supply injector



Flush-back Adaptor for fuel top-supply injector



Ultrasound stent



Straight drain connector 3



Straight oil drain connector 4



Combination connector M12x1.5



Benz piezo adaptor



Plug for BUICK Injector



Ultrasound cleaner lid



Long screw



CNC-Pulse connecting wire



CNC-Pulse connecting wire 2



CNC-Pulse connecting wire 3



O-ring

EP865 V2.0
Battery Pack Charge & Discharge Equipment

The EP865 is an integrated charging, discharging, and testing system designed for traction battery pack service and maintenance. It supports high-power charging and discharging for both complete vehicles and standalone battery packs, incorporates comprehensive safety protection, and is suitable for full-pack service operations.

-  Supports 4,500+ BMS protocols, covering mainstream models such as Tesla, Toyota, and Volkswagen
-  Supports B2B/B2V operating modes
-  Supports constant current charging and discharging, capacity detection and SOC/SOH evaluation
-  Enables On-Vehicle Battery Charging and Discharging without Battery Pack Removal



Functions

- Wide voltage and current range:** Supports 150–1,000 V with a maximum current output of 100 A, covering mainstream traction battery service applications.
- Full-Pack Charge/Discharge Testing:** Integrates charging, discharging, and SOC/SOH testing in one system for a wide range of battery pack applications.
- On-Vehicle Charge/Discharge without Pack Removal:** Connects directly to the vehicle through a standard EV charging connector, enabling charging, discharging, and testing without removing the battery pack.
- Energy-Efficient Charge/Discharge:** Supports B2B and B2V modes, enabling energy transfer and reuse to reduce energy waste.
- BMS Data Acquisition:** Reads SOC, voltage, current, temperature, cell status, and other parameters to support cell protection and battery health assessment.
- Extensive BMS Protocol Support:** Includes battery pack diagnostic software with more than 4,500 BMS protocols, covering mainstream models from Tesla, Toyota, Volkswagen, and other brands.
- Multiple Safety Protection Mechanisms:** Combines hardware and software protection, including reverse-polarity, overtemperature, short-circuit, leakage, phase-loss, overvoltage, undervoltage, overcurrent, and tilt protection, helping protect both the operator and the equipment during service.
- Graphical Data Display:** Displays real-time voltage, current, trend curves, and cell status for intuitive analysis.
- Full-Process Data Logging and Upgrade Support:** Supports full-process logging, data export, and OTA updates for traceability and continuous system optimization.

Parameters

Charging voltage	150V ~ 1000V	Charge and discharge power	30kW MAX
Discharge voltage	200V ~ 865V	Input	AC 220V/380V 50/60 Hz
Voltage measurement accuracy	±0.1% F.S	Display mode	10-inch touch screen 1280×800
Current measurement accuracy	±0.5% F.S	Storage	32G
Charge and discharge current	100A MAX	Data communications	CAN / RS485 / Wi-Fi / Bluetooth
Security protection	Reverse polarity protection, high temperature warning protection, short circuit protection, leakage protection, phase loss protection, overvoltage protection, undervoltage protection, overcurrent protection, overtemperature protection, tilt protection		

Direct-Connect Fast Charge Gun



Supports direct connection to the vehicle via a standard charging connector, enabling battery charge/discharge testing without removing the battery pack.



Compatible with BCI communication boxes, enabling real-time collection of BMS data to enhance cell protection and status assessment

B2V Energy-Saving Charge and Discharge



The battery pack directly supplies power to the entire vehicle, enabling flexible energy replenishment while reusing discharged energy

B2B Energy Transfer Charge and Discharge



Transferring power from one battery pack to another prevents energy waste and supports secondary utilization

EP865 V2.0
One Device, Multiple Functions,
Full-Scenario Coverage: Supports vehicle
charging, B2V, B2B, and battery pack
testing with high energy efficiency.



Full-Pack Charge/Discharge



Efficiently performs full-pack charge/discharge cycles, suitable for various scenarios including pack factory testing and repair shops

EP865 V2.0 Accessories

High-voltage output cable		BMS Communication Cable		Fast Charging Gun (Standard Configuration Only)	
Voltage Acquisition Cable		Jumper Cable (Jump-5)		GB/T to CCS2 Adapter (Standard Configuration Only)	
Power cord (380V/220V)		WiFi / BT USB Adaptor			

BCI Battery Communication Toolkit

Adapter Cables (9 types)		HFT Diagnostic Connector Test Main Line		Power Adapter (12V5A)		Power cord		Jumper Cable (Jump-8)	
BCI Communication Box									

BCI Battery Communication Toolkit

BYD E5 TL-100R		XPeng P7 TL-106R		ROEWE EI6 TL-113Y		BYD QIN PRO EV TL-126R	
BYD TANG DM TL-101R		XPeng G3 TL-107R		ROEWE EI5 TL-114Y		BYD D1 TL-127R	
BYD HAN EV TL-102R		Geely Emgrand EV450 TL-108Y		Hyundai Elantra TL-115B		GAC GE3 TL-130R	
BAIC EU TL-103B		NETA V TL-109Y		BAIC EU5 R500 TL-116B		GAC AION S Plus TL-143R	
WM EX5 400 TL-104Y		DongFeng Aeolus E70 TL-110B		CHERY eQ1 TL-119Y		Tesla Model 3 26+26 TL-152B	
Wuling Hongguang Mini TL-105R		DongFeng Venucia D60 TL-112B		Tesla Model 3 TL-124B		Tesla Model S & X TL-153B	

CE39 V2.0

Diagnostic Charging/Discharging Balancer

The CE39 is an industry-first 4-in-1 integrated system combining full-vehicle EV diagnostics, high-voltage powertrain and auxiliary EV electrical system testing, and battery module charging, discharging, and balancing.

- Four-in-one diagnosis, equalization, charging and discharging functions
- Cost-Effective Coverage of EV Inspection, Diagnostic, and Maintenance Applications
- Supports Simultaneous Battery Balancing and Vehicle Diagnostics
- Tablet-Based Operation with Convenient Wireless Connectivity



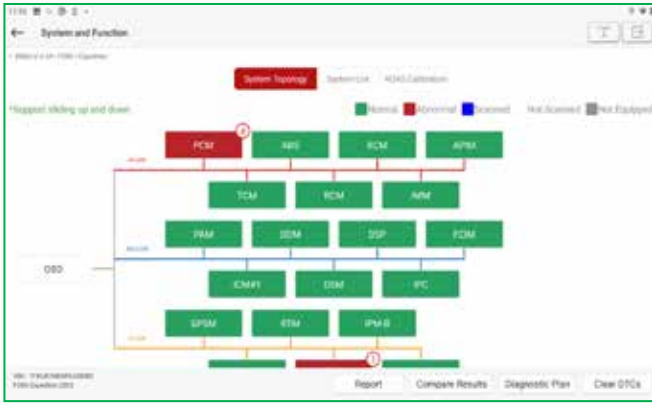
Functions

- 4-in-1 Integration:** Supports vehicle diagnostics, module balancing, charging tests, and discharging tests.
- Intelligent Cell Balancing:** Balances up to 24 cells simultaneously to help improve battery module consistency.
- High-Power Charge/Discharge Capability:** Supports up to 40 A charging and 20 A discharging to shorten testing and maintenance time.
- Comprehensive EV System Testing:** Supports diagnostic and service testing for high-voltage powertrain systems—including the traction motor, motor controller, and traction battery—and auxiliary EV electrical components.
- 95% Vehicle Coverage:** Supports reading and clearing fault codes, live data, actuation tests, and special functions. Vehicle topology maps provide real-time visualization of communication networks and fault nodes.
- Mobile App Connectivity:** Pairs with a mobile app for real-time remote monitoring of equipment status and operating data.

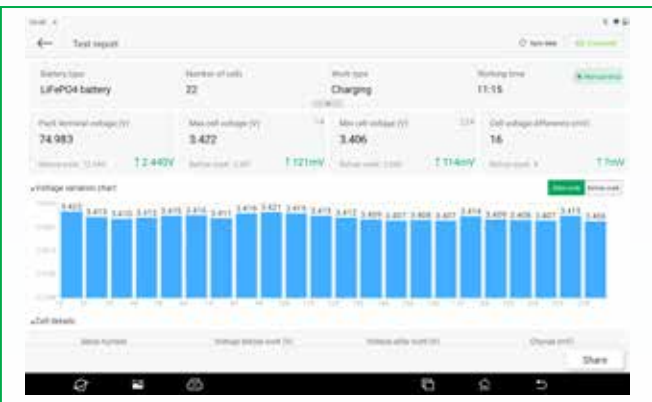
Tablet parameters

Display	10.1 inches, resolution 800×1280	Communication	Wi-Fi, Bluetooth
System	Android	Charging method	Type-C, contact charging
Memory	4GB	Battery	Lithium battery 9360mAH/3.8V
Storage	128GB		

Whole-vehicle diagnosis, topology diagram for quick fault location



Intelligent balancing maintenance, 24 battery cells synchronous balancing



VCI parameters

ED BOX size	112mmx72.5mmx32.5mm
ED BOX communication method	Bluetooth, USB

Host parameters

Single cell voltage accuracy	±0.1%FS±5mV (maximum range 5V)
Single cell current accuracy	±0.5%FS±0.05A (maximum range 20A)
Equalization interface	12PIN×1, 13PIN×1
Number of equalization channels	2×12
Charging current range	0.5~40A (maximum power 3.2kW)
Discharge current range	0.1~20A (maximum power 2.4kW)
Charging control	Constant voltage charging, constant current charging

Battery pack in-depth detection and offline testing for DCDC, OBC and PDU



High current and efficient charging and discharging, fast adjustment to target voltage



ED BOX operating voltage	DC 9~18V
Discharge control	Constant current discharge Constant voltage discharge
Communication	Wi-Fi
Power input	AC 90~264V 50/60Hz
Battery module voltage range	DC 0~112V
Battery cell voltage range	1.6~5V
Abnormal protection	Overcharge protection, over-discharge protection, reverse connection protection, disconnection protection, over-temperature protection, over-current protection

EP401 V4.0

EV Battery Charge & Discharge Equipment

The EP401 is an integrated system for charging, discharging, maintenance, and SOH testing of battery modules and complete battery packs.

- Supports SOH Testing for Battery Modules and Full Battery Packs
- Supports up to 4,500 battery pack BMS protocols
- Compatible with NiMH and Common Lithium-Ion Batteries, with up to 120 Channels of Cell Data Acquisition
- Monitors Cell Status through BMS Protocols during Full-Pack Service to Support Operational Safety



Functions

- Module Charge/Discharge Testing:** Features a wide voltage range up to 400 V for charging and discharging common battery modules. Multi-channel voltage and temperature acquisition supports module performance and cell consistency evaluation.
- Full-Pack Charge/Discharge Testing:** Connects to the battery pack BMS to read cell voltage, temperature, and other key parameters, enabling comprehensive monitoring and data logging throughout full-pack charging and discharging.
- SOH Testing:** Calculates actual battery capacity through a complete charge/discharge cycle and automatically generates an SOH report.
- Expert and General Operating Modes:** Offers Expert and General modes, combining ease of use for technicians with advanced configuration and testing capabilities for experienced users.
- BMS Communication Expansion:** Supports more than 4,500 proprietary BMS protocols. During full-pack service, cell status can be monitored through the diagnostic interface to support operational safety.
- Multi-Channel Monitoring:** Supports up to 120 individual cell-voltage channels and 20 temperature channels.
- Broad Battery Compatibility:** Supports NiMH, NCM/NCA lithium-ion, lithium iron phosphate (LFP), and lithium titanate (LTO) batteries.
- Graphical Data and Remote Updates:** Provides real-time graphical data display, full-process test logging, data export, and OTA updates for traceability and continuous optimization.

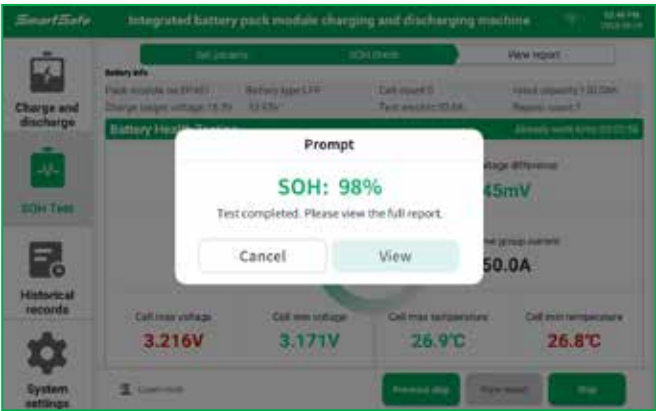
Parameters

Terminal voltage accuracy	±0.5%FS±0.3V (maximum range 400V)
Single cell voltage accuracy	±0.1%FS±5mV (maximum range 5V)
Single cell current accuracy	±0.5%FS±0.2A (maximum range 100A)
Number of channels	120 channels Max
Battery module voltage range	DC 2~400V
Charging current range	Maximum power 4.4kW
Charging control	constant voltage charging, constant current charging

Discharge control	Constant current discharge
Display	10.1-inch touch screen, resolution 1280×800
Power input	AC 100~240V 50/60Hz
Discharge current range	Maximum power 7.2kW
Abnormal protection	Overcharge, overdischarge, overheating, Overcurrent, reverse connection, Disconnection protection



Module Charge and Discharge
(with up to 120-channel cell data monitoring)



Battery Pack Health Monitoring (SOC/SOH)



Battery Pack Full-Pack Charge and Discharge



BMS Data Acquisition, Comprehensive Protection for the Battery Pack

EP401 V4.0 Accessories

DC Test Cable (Red)	Adapter Cables (8 types)			
DC Test Cable (Black)				
24CH Sampling Box	Battery Pack Communication Connector			
485 Comm Wire	BYD E5 TL-100R	Geely Emgrand EV450 TL-108Y	CHERY eQ1 TL-119Y	
Voltage Acquisition Wire	BYD TANG DM TL-101R	NETA V TL-109Y	Tesla Model 3 TL-124B	
Temperature Measuring Cable	BYD HAN EV TL-102R	DongFeng Aeolus E70 TL-110B	BYD QIN PRO EV TL-126R	
Power Cord	BAIC EU TL-103B	DongFeng Venucia D60 TL-112B	BYD D1 TL-127R	
BCI Communication Box	WM EX5 400 TL-104Y	ROEWE EI6 TL-113Y	GAC GE3 TL-130R	
WiFi / BT USB Adaptor	Wuling Hongguang Mini EV TL-105R	ROEWE EI5 TL-114Y	Tesla Model 3 26+26 TL-152B	
Jumper Cable (Jump-8)	XPeng P7 TL-106R	Hyundai Elantra TL-115B	Tesla Model S & X TL-153B	
	XPeng G3 TL-107R	BAIC EU5 TL-116B		

EB480 V3.0

Battery Cell Balancer

The EB480 is a multi-channel battery balancer that independently balances up to 48 cells. It is designed for battery module maintenance, second-life applications, and cell consistency restoration.

-  Supports 48-channel balancing
-  High precision, balance accuracy up to $\pm 2\text{mV}$
-  Efficient, Precise Cell Balancing
-  Compatible with Mainstream Lithium-Ion Battery Chemistries



Functions

- 1. Intelligent Multi-Channel Balancing:** Balances up to 48 cells simultaneously to meet voltage-difference control requirements for large battery modules.
- 2. Manual or Automatic Balancing:** Allows users to select automatic triggering or manually designate individual cells for balancing.
- 3. Individual Cell Balancing:** Independently balances cells with excessive voltage deviation.
- 4. High-Precision Balancing Control:** Controls cell voltage difference within $\pm 2\text{ mV}$.
- 5. Broad Battery Compatibility:** Compatible with mainstream lithium-ion battery chemistries.
- 6. Comprehensive Safety Protection:** Incorporates multiple layers of protection.
- 7. Data Visualization and Recording:** Displays real-time graphical data and supports full-process logging, data export, and OTA updates.
- 8. Mobile App Connectivity:** Pairs with a mobile app for real-time remote monitoring of equipment status and operating data.

Parameters

Single cell voltage detection accuracy	$\pm 0.1\% \text{FS} \pm 2\text{mV}$ (maximum range 5V)
Number of equalization channels	4 × 12
Battery module voltage range	DC 0~112V
Charge and discharge current range	0.1~5A
Charging control	constant voltage charging, constant current charging
Abnormal protection	overcharge protection, over-discharge protection, over-temperature protection, over-current protection, reverse connection protection, and disconnection protection

Single cell current detection accuracy	$\pm 1\% \text{FS} \pm 0.05\text{A}$ (maximum range 5A)
Charge and discharge voltage range	1.8~4.5V
Charge and discharge power	1200W Max
Discharge control	constant current discharge, constant voltage discharge
Power input	AC 100~240V 50/60Hz
Display	10.1-inch touch screen, resolution 1280 × 800

ET500 V3.0

Battery Pack Leak Tester

The ET500 V3.0 uses an external compressed-air supply to test the sealing performance of EV battery pack enclosures at low pressure and liquid-cooling systems at high pressure.

-  0~500kPa high and low pressure compatible
-  Separate High- and Low-Pressure Outlets
-  10-Inch Touchscreen Display



Functions

- 1. High-/Low-Pressure Compatibility:** Supports testing up to 500 kPa for both liquid-cooling circuits and battery pack enclosures.
- 2. One-Touch Standardized Process:** Automatically performs pressurization, pressure stabilization, pass/fail evaluation, and venting.
- 3. Traceable Test Results:** Automatically saves historical records for quality control and report generation.
- 4. Process Chart Visualization:** Displays Real-Time Pressure Curves.
- 5. Built-In Compressed-Air Filtration System:** Filters moisture and contaminants from the compressed-air supply.
- 6. OTA Updates:** Supports online firmware updates.

Parameters

Test pressure range	0~500kPa
Sensor resolution	1Pa
Test accuracy	$\pm 5\text{Pa}$
Test Pressure Range	Low pressure: 0~30 kPa High pressure: 30~500 kPa
Air inlet interface/outlet interface	$\Phi 6\text{ mm}$ air tube

Operating temperature	-10 ~ 50 °C
Operating humidity	10 ~ 90% RH
Power input	AC 100-240V, 50/60Hz
Air Requirements	0.1~1.0MPa dry compressed air

DP901 V2.0

High-Voltage Digital Power Supply for EV Service

The DP901 V2.0 is a specialized digital power supply for EV service and repair. It is designed to power and test high-voltage EV components, including electric A/C compressors, PTC heaters, DC-DC converters, and on-board chargers (OBCs).

-  Covers 200–1,000 V EV Service Applications with Power Output up to 7 kW
-  Pairs with the P01 Remote Unit for Safe, Convenient Current, Voltage, and Start/Stop Control
-  Works with Compatible Diagnostic Tools to Read Fault Codes and Live Data while Powering High-Voltage Components



Functions

- Wide Voltage Range and High Power Output:** Supports 200–1,000 V, a maximum current of 20 A, and a maximum power output of 7 kW.
- Comprehensive Input/Output Protection:** Supports overvoltage, undervoltage, overcurrent, short-circuit, and overtemperature protection.
- Bluetooth Remote Control:** Supports remote operation through the P01 handheld terminal.
- Parameter Memory:** Stores three sets of preset parameters.

Parameters

Power Input	AC 100~240V@32A
Max Power	7000W Max
Front Panel High-Voltage Section	1×voltage adjustment knob, high-voltage start/stop button
Channel Quantity	1 pc
Voltage Range	DC 200~1000V (adjustable via knob)
Current Range	0~20A (adjustable via knob)
Voltage Sampling Accuracy	0.1V
Current Sampling Accuracy	0.1A
Output Protection	Current limiting, short circuit, undervoltage, overvoltage, overtemperature & reverse connection protection

Input Protection	Overvoltage & undervoltage protection
Insulation Resistance	Input to Output: >20MΩ Input to Ground: >20MΩ Output to Ground: >20MΩ
Withstand Voltage	Input to Output: 2500Vac/1Min, ≤3.5mA Input to Ground: 2000Vac 50Hz (2828Vdc) / 1min
Operating Temperature	-10~55°C
Storage Temperature	-40~70°C
Ambient Humidity	5~95% RH (non-condensing)
Communication Method	constant voltage charging, constant current charging
Display Mode	DC 2~400V
Overall Dimensions	459mm*390mm*270mm

EEAC7000C-P AC Charger

Smart Portable EV Charger

The EEAC7000C-P is designed for overseas markets in accordance with IEC 61851 and IEC 62752, providing flexible charging for everyday use at home and on the road.

-  Compatible with Mainstream Electric Passenger Cars and Commercial Vehicles
-  Compact, Lightweight Design for Wall-Mounted or Portable Use
-  Remote Status Monitoring and Charging Scheduling through the Mobile App
-  Up to 94% Charging Efficiency for Reduced Energy Loss



Functions

- Mobile App Control:** Supports current adjustment, status monitoring, and scheduled charging.
- Seven Current Settings:** Selectable 8, 10, 13, 16, 20, 25, or 32 A output.
- Operating Status Monitoring:** Displays standby, charging, and charging-complete status.
- On-Screen Display:** Shows voltage, current, charging power, energy delivered, charging time, device temperature, fault codes, and other data in real time.
- Scheduled Charging:** Supports delayed charging with selectable 2-, 4-, 6-, 8-, 10-, or 12-hour countdown settings.
- Fault Protection:** Includes overfrequency, underfrequency, overcurrent, short-circuit, overtemperature, and undertemperature protection.
- Ingress Protection:** IP66 for the main enclosure and IP55 for the charging connector when mated.

Parameters

Rated Power	7.0kW (32A)
Input Voltage	Single-phase AC 230V
Adjustable Current Range	7 levels (8~32A)
Leakage Protection	Type A + 6mA DC

IP Rating	IP66
Dimensions (LWH)	200×92.5×56mm
Net Weight	≤ 3.3 kg
Operating Temperature	-30°C ~ +50°C

EEAC3500C-P AC Charger

Smart Portable EV Charger

The EEAC3500C-P is designed for overseas markets in accordance with IEC 61851 and IEC 62752, providing flexible charging for everyday use at home and on the road.



Compatible with Mainstream Electric Passenger Cars and Commercial Vehicles



Compact, Lightweight Design for Wall-Mounted or Portable Use



Up to 94% Charging Efficiency for Reduced Energy Loss



Functions

- 1. Four Current Settings:** Selectable 8, 10, 13, or 16 A output.
- 2. Operating Status Monitoring:** Displays standby, charging, and charging-complete status.
- 3. On-Screen Display:** Shows voltage, current, charging power, energy delivered, charging time, device temperature, fault codes, and other data in real time.
- 4. Scheduled Charging:** Supports delayed charging with selectable 2-, 4-, 6-, 8-, 10-, or 12-hour countdown settings.
- 5. Fault Protection:** Includes overfrequency, underfrequency, overcurrent, short-circuit, overtemperature, and undertemperature protection.
- 6. Ingress Protection:** IP66 for the main enclosure and IP55 for the charging connector when mated.

Parameters

Rated Power	3.5kW (16A)	IP Rating	IP66
Input Voltage	Single-phase AC 230V	Dimensions (LWH)	200×92.5×56mm
Adjustable Current Range	4 levels (8–16A)	Net Weight	≤ 2.2 kg
Leakage Protection	Type A + 6mA DC	Operating Temperature	-30°C ~ +50°C

ECP739

Electric Compressor Comprehensive Tester

ECP739 electric compressor comprehensive tester is a highly cost-effective device that supports both electric-compressor drive-circuit testing and mechanical-function testing.

- 

Supports drive circuit testing, mechanical function testing (pressurizing/pressure holding)
- 

Offline testing saves labor and improves reliability
- 

Supports wireless connection to tablets for remote operation
- 

Compressor testing coverage of 900+ models
- 

Supports fault code repair guidance and viewing of maintenance cases



Features

- 1. Up to over 900 electric compressor drive data entries, covering the most brands and continuously updated;
- 2. Supports electric compressor circuit testing and mechanical function testing (pressure/pressure holding), ensuring effective maintenance and testing;
- 3. Supports electric compressor fault code repair guidance, and real-time online viewing of maintenance case circuit diagrams.

Functions

- 1. Comprehensive airtightness testing:** Supports electric compressor circuit testing and mechanical function testing (pressure/-pressure holding), effectively improving maintenance testing efficiency.
- 2. Repair guidance:** Provides specific repair instructions for compressor fault codes, with real-time online access to corresponding maintenance cases and circuit diagrams.
- 3. Tablet Wireless Connection:** Allows users to operate the device remotely, especially ideal for scenarios where the device is fixed in place or not easily accessible.
- 4. Real-time process visualization:** Displays the operational status of pressurizing, holding pressure, venting, and other stages in real time, ensuring a clear and controllable workflow.
- 5. One-click intelligent process:** The entire process is executed automatically, covering pressurization, pressure stabilization, and judgment steps. After the pressure reaches the target, it automatically stabilizes the pressure and releases the gas, making the operation more intelligent and convenient.
- 6. Historical data management and sharing:** Automatically saves test results and supports sharing PDF-format historical data summaries via bluetooth, email, or QR code.
- 7. Convenient online upgrades:** Supports online software updates without the need for USB-based local operations, enabling more efficient maintenance.

Parameters

Input voltage	AC 90~264V, 50~60Hz	Low-voltage output current	2A
Maximum input power	7KW	Gas tank capacity	3L
High-voltage output voltage	DC 50-750V	Equipment air pressure	12kgf/cm ²
High-voltage output current	20A Max	Communication methods	WIFI + Bluetooth
Low-voltage output voltage	DC 12V/24V	Protection function	0-40A adjustable circuit breaker
Work environment	Operating temperature: -10~50°C, storage temperature: -20~70°C Operating humidity: 20%~90%, Storage humidity: 10%~90%		

EP101

Portable Single-Cell Charger & Discharger

EP101 is specifically designed for cell-level testing, integrates charging, discharging, capacity, and internal resistance measurement, features high-precision control and multiple safety protections, lightweight and portable, suitable for cell-level maintenance and recycle testing.

- 50A high-current, efficient charging and discharging
- Supports capacity testing, accurately evaluates cell degradation
- Supports internal resistance testing, quickly assesses battery cells health
- Isolated sampling and output cables, for more accurate testing



Features

- Portable and lightweight design: Compact body, low weight, suitable for on-site mobile operations and desktop workstation testing;
- 50A high-current: Supports up to 50A constant current charge and discharge, meets efficient battery cell activation and restoration needs;
- All-in-one testing: Integrates charge/discharge, capacity testing, and internal resistance testing, provides comprehensive assessment of battery cell performance and health;
- High-precision measurement: Voltage and current sampling channels with isolated design, ensures stable and reliable test results;
- Safer testing: Integrates battery temperature monitoring and multiple protection mechanisms, enhances equipment safety level.

Functions

- Single cell charge/discharge testing:** Supports constant current and constant voltage modes, precisely controls output current and voltage
- Capacity testing:** Measures battery cell capacity through charge/discharge process, used for battery cell performance verification and lifespan evaluation.
- Internal resistance testing:** Supports DC internal resistance measurement of battery cells, quickly assesses cell degradation and consistency.
- Multi-battery type compatibility:** Supports maintenance of ternary lithium, lithium iron phosphate, lithium titanate, and lithium manganese oxide batteries.
- Real-time monitoring and data traceability:** Continuously displays core data such as voltage, current, capacity, internal resistance, and temperature, supports local storage and USB export.
- Multiple safety protections:** Features overvoltage, undervoltage, overcurrent, reverse connection, disconnection, and overtemperature protection, ensures safe and stable testing process.

Parameters

Input	Supports AC 110/220V, 50/60 Hz	Storage and data export	Supports exporting from USB drive
Voltage range	1V ~ 5V	Cooling method	Forced air cooling
Current range	0.5 ~ 50A	Operating temperature	-10~ 60℃
Voltage accuracy	±0.2% F.S +5mV (maximum range 5V) resolution 0.001V	Storage temperature	-20~ 70℃
Current accuracy	±0.5% F.S+0.1A (maximum range 50A) resolution 0.1A	Ambient humidity	10%~90%RH
Charge and discharge power	250W Max	Protection level	IP21
Display	4.3-inch LCD color screen	Protection function	Battery overtemperature protection, system overtemperature protection, short-circuit protection, reverse connection protection, disconnection protection, overcurrent protection, overvoltage protection, undervoltage protection.
Input method	Knob + Button		

P01

EV Diagnostic Tool

P01 is a professional detection level EV diagnostic tool that integrates battery pack diagnostic, whole vehicle system diagnostic, and common maintenance functions.

- Battery pack "professional grade" testing
- Dedicated connector for battery pack testing
- Offline testing capability
- Comprehensive vehicle series and full system inspection



Features

- Cover more than 95% of the whole system of EVs, and keep updating;
- Supports testing of DC/DC converter, onboard charger, high-voltage distribution box, and other common maintenance functions
- Provide four battery pack connection methods, including OBD, special connector, jumper connection and fast charging port connection;
- Equipped with battery pack professional connector as standard and integrated aviation plug connector to improve detection efficiency;
- Support ADAS calibration, tread detection, insulation tester, oscilloscope, digital power supply, multimeter, current clamp, videoscope and other expansion modules;
- 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;
- 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 Octa-core	CPU	Cortex-A7 + Cortex-M7
Memory	4GB	Memory	256MB
Storage	128GB	Storage	8GB
System	Android11	System	Linux
Wi-Fi	2.4GHz/5GHz	Wi-Fi	2.4GHz/5GHz
Camera	Front 8MP, Post 13MP	Communication	Wi-Fi, BT, USB
Battery	3.8V/9360mAH	Interface	USB Type B, OBD II -16, DC-IN
Interface	Type A, Type C	Product size	197×40×83mm
Communication	Wi-Fi , BT, USB		
Product size	318×40.5×246.5mm		