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PRODUCT
CATALOG
2025 **ISSUE 1**





PROFESSIONAL TOOLS **04**



HD SOLUTION **12**



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WHICH BI-DIRECTIONAL SCANNER IS RIGHT FOR YOU?



X-431 THROTTLE V



X-431 TORQUE LINK



X-431 TURBO III

FULL SYSTEM | OE-LEVEL COVERAGE | TECH 2 TECH
SMARTLINK REMOTE DIAGNOSIS
SECURITY GATEWAY ACCESS | CODE ASSIST



X-431 Throttle V



X-431 Torque LINK



X-431 Turbo III

CONFIGURATION

Touch Screen	13.6" /2560*1600	10.1" /1280*800	8" /1280*800
Processor	2.0GHz Octa-core	2.0 GHz 4-core	2.0 GHz 4-core
Memory	12GB	4GB	4GB
Storage	512GB	128GB	64GB
Camera	Front 8MP, Rear 20MP	Front 5MP, Rear 8MP	Front 5MP, Rear 8MP
Battery	71.1Wh (7.6V, 9360mAh)	47.88Wh (7.6 V, 6300mAh)	47.88Wh (7.6 V, 6300mAh)
VCI Connection	2.4GHz & 5GHz dual Wi-Fi	Bluetooth	Bluetooth
VCI Adaptor	Smartlink C	Smartlink C	DBSCARVII
Adjustable Kickstand	•	•	•
IP65 Waterproof & Dustproof	•	•	•

FEATURES

Vehicle Coverage	1996–Present Passenger cars Medium & Light Duty Vehicles/ Heavy Duty Vehicles (Optional)	1996–Present Passenger cars Medium & Light Duty Vehicles/ Heavy Duty Vehicles (Optional)	1996–Present Passenger cars Medium & Light Duty Vehicles
Operating System	Android™ 13.0	Android™ 10.0	Android™ 10.0
Full System Diagnosis	•	•	•
OBD II Full Function	•	•	•
Tech 2 Tech Remote Diagnosis	•	•	•
Smartlink Remote Diagnosis	•	•	•
Auto Vin Identification	•	•	•
Wi-Fi Updatable	•	•	•
Security Gateway Access	•	•	•
Code Assist by IDENTIFIX	•	•	•
X-431 FIX by Motor	• (included)	•	•
VW & AUDI Guided Function	•	•	•
CAN FD	•	•	•
DolP	•	•	•*(Adaptor needed 105022532)

COMPATIBLE MODULES

X-431 ADAS PRO Plus	•	•	•
X-431 ADAS Mobile Plus	•	•	•
X-431 ADAS HD	•	•	•
X-PROG 3 Immobilizer	•	•	•
BST360 Battery Tester	•	•	•
VSP600 Videoscope	•	•	•
HD Add-on Module	•	•	•
O2-2 4 Channel Scopebox	•	•	•
S2-2 Sensorbox	•	•	•

X-431 THROTTLE V



FEATURES

- 13.6-inch 2K high-definition display with a new dual-color design.
- Equipped with 12GB RAM + 512GB ROM and a long-lasting battery for faster, more reliable performance.
- Features topological graph multisystem module fast scanning for quick diagnostics.
- Smart diagnosis using VIN auto-identification, allowing quick entry into the diagnostic process.

- One-click Wi-Fi update for software.
- Supports a range of optional extension modules, including TPMS tools, ADAS calibration equipments, videoscope, battery tester, and X PROG-3 IMMO programmer.
- Enables remote diagnosis, allowing technicians to assist remotely.
- Offers Code Assisst by IDENTIFIX and X-431 FIX services by MOTOR DRIVE, providing millions of DTC solutions in no time.

SPECIFICATIONS // (X-431 THROTTLE V)

- Android™ 13.0
- 2.0GHz Octa-core
- 13.6" touch screen
- 512GB Storage
- Front 8MP, Rear 20MP
- 32° F~122° F
- 12GB RAM
- 14.83x9.69x1.38(in)

SPECIFICATIONS // (SMARTLINK)

- 3.5" touch screen
- 8GB RAM
- 32° F~122° F
- 8.03x4.33x1.77 (in)

X-431 TORQUE LINK



FEATURES

- U.S. vehicle coverage in addition to Asian, European coverage from 1996 and newer.
- Supports Communication protocols CAN/-CANFD/DoIP and automotive communication standards J2534/D-PDU/RP1210.
- Vehicle health report feature gives comprehensive status on all onboard systems of vehicle.
- Topology module mapping provides a virtual overview of all on board control modules and their communication statuses.

- TECH 2 TECH remote diagnostics and technician collaboration.
- Monitor the vehicle's voltage in real time during live diagnostics.
- Code Assist by **IDENTIFIX**, access most common fixes and repair solutions with corresponding DTC'S.
- Supports X-431 Fix repair information, driven by **MOTOR DRIVEN**.
- Auto-detect VIN to access vehicle info within seconds.
- Supports optional extension modules, ADAS calibration, ADAS HD, Immobilizer, Battery Tester, Videoscope, Oscilloscope and Sensorbox.
- Approved Security Gateway access.
- Bi-directional functionality.
- Supports Smartlink Remote Diagnosis.

SPECIFICATIONS

- Smartlink
- 1280*800
- 128GB Storage
- 4GB RAM
- 47.88Wh (7.6V, 6300mAh)
- Android™ 10.0
- Rear 8MP, Front 5MP
- 10.1"
- 2.0GHz 4-core

X-431 TURBO III



FEATURES

- U.S. vehicle coverage in addition to Asian, European coverage from 1996 and newer.
- Vehicle health report feature gives comprehensive status on all onboard systems of vehicle.
- TECH 2 TECH remote diagnostics and technician collaboration.
- Code Assist by IDENTIFIX, access most common fixes and repair solutions with corresponding DTC'S.
- Guided function for VW & AUDI.
- Bi-directional functionality.
- Approved Security Gateway access .
- Auto-detect VIN to access vehicle info within seconds.
- Monitor the vehicle's voltage in real time during live diagnostics.
- Supports optional extension modules, ADAS calibration, ADAS HD, Immobilizer, Battery Tester, Videoscope, Oscilloscope and Sensorbox.
- Supports X-431 Fix repair information, driven by MOTOR DRIVEN

SPECIFICATIONS

- | | | | |
|-------------------------|---------------|---------------------|---------|
| DBSCARVII | 1280*800 | 64GB Storage | 4GB RAM |
| 47.88Wh (7.6V, 6300mAh) | Android™ 10.0 | Rear 8MP, Front 5MP | 8" |
| 2.0GHz 4-core | | | |

X-431 FIX AUTO



All Launch X-431 professional level scan tools can now incorporate X-431 FIX by Motor. This repair and diagnostic reference database is designed to assist technicians during diagnostics by providing information on TSBs (Technical Service Bulletins), flow charts, repair procedures, wiring diagrams, and other manufacturer documents.

SUPPORTED PRODUCTS



X-431 THROTTLE V
(Standard with Subscription)



X-431 TORQUE LINK



X-431 TORQUE AUTOHD PRO



X-431 TURBO III

HEAVY-DUTY COVERAGE

SECOND TO NONE IN THE AFTERMARKET



~~X~~ -431 Torque AutoHD pro

~~X~~ -431 Millennium HD ProA

~~X~~ -431 HD Add On Module



~~X~~ -431 Smartlink HD Add On



~~X~~ -431 Fix HD

PROFESSIONAL LEVEL FUNCTIONALITY
COMPLETE VEHICLE COVERAGE

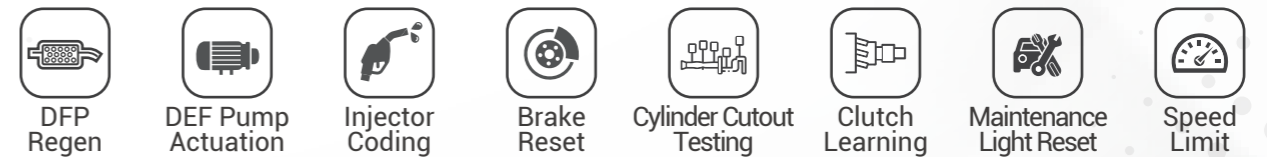
MILLENNIUM HD ProA



FEATURES

- 8 special functions including DPF regeneration, DEF Pump Actuation, maintenance light reset, fuel injector coding, and clutch learning, etc.
- Supports functions such as viewing diagnostic reports, replaying diagnostic records, taking screenshots and sharing.
- Equipped with code reading, code clearing, and data stream reading functions.
- Auto VIN detect function identifying vehicle information.
- One-click Software updates via Wi-Fi.

8 SERVICE FUNCTIONS



SPECIFICATIONS

Standards OBD II Type-C	3.97"	Android™ 8.1	2+16GB
3000mAh	WIFI 2.4Ghz (b/g/n)	-14°F~122°F	-4°F~158°F

X-431 TORQUE AUTOHD PRO

TORQUE LINK, PLUS ALL THE POWER FOR COMMERCIAL VEHICLE DIAGNOSTICS.



A COMPREHENSIVE AUTOMOTIVE AND HEAVY-DUTY DIAGNOSTIC TOOL

The X-431 Torque AUTOHD PRO serves as a diagnostic solution catering to both Automotive and Commercial Heavy Duty Truck Diagnostics.

FEATURES

- Works on various systems, including Engine, Transmissions, ABS, and Auxiliary from manufacturers such as Wabco, Bendex, and Allison.
- Monitor the vehicle's voltage in real time during live diagnostics.
- U.S. vehicle coverage in addition to Asian, European coverage from 1996 and newer.
- Integrated with new the powerful hardware X-431 Torque AutoHD Pro tablet, and Smartlink VCI, maximizethe ability to faster diagnosis.
- Supports Cummins, Detroit, Freightliner, Fuso, Hino, International, Isuzu, KW, Peterbilt, Sterling, and Volvo.
- Guided VW & AUDI functions
- Code Assist by IDENTIFIX, access most common fixes and repair solutions with corresponding DTC'S.
- Approved Security Gateway access.
- Read and erase DTCs of light, medium and heavy-duty vehicles [Class 4 through 8].
- Optional ADAS calibration application to calibrate LDW, RCW, AVM, NV, BSD and ACC system accurately.
- Wireless and wired communicates via Bluetooth and USB.
- Multilingual menu and data display: English, Spanish, and French.

13 SERVICE FUNCTIONS (HEAVY-DUTY ONLY)

- DPF Regeneration
- Injector Coding
- Reset Service (MIL)
- Maintenance Confirmation
- Parked SCR Efficiency
- Bleeding The Adblue Circuit
- Trip Reset
- VGT Electronic Actuator Installation and Calibration
- Injection Quantity Adjustment
- Particulate Filter Replacement Reset
- Reset Pressure Diffieerential Sensor
- Reset Pressure Limiting Valve
- DPF Ash Accumulator Reset

CALIBRATION (HEAVY-DUTY ONLY)

- Idle Speed Adjustment
- Speed Limit
- Cruise Control
- Idle Timer
- PTO
- Coolant Level Switch
- Exhaust Brake Valve
- Intake Air Preheating
- Vehicle Speed Controller
- Air Conditioner
- Oil Pressure Sensor
- Electronic Fan
- ABS
- Automatic Transmission

SPECIFICATIONS (TORQUE AUTOHD PRO)

- Smartlink
- 1280*800
- 128GB Storage
- 4GB RAM
- 47.88Wh (7.6V, 6300mAh)
- Android™ 10.0
- Rear 8MP Front 5MP
- 10.1"
- 2.0GHz 4-core

SPECIFICATIONS (SMARTLINK C HEAVY-DUTY MODULE)

- 3.95", 320*480
- 2.4GHz/5GHz
- 8GB Storage
- 256MB RAM
- 7.88*4.33*1.85
- 9V DC-36V DC
- Wi-Fi Bluetooth&Ethernet

X- HD ADD ON



VEHICLE COVERAGE

Mack, Hino, UD Truck/Nissan Diesel, Cummins, Ferrara, Dina, Forest River, Kohler, Versatile, Jayco, Allison transmission, Isuzu, Fuso, Kalmar Ottawa, Eldorado, Gillig, Challenger, Weycor, Tiffin, Bendix ABS, Standard, Paccar, KME, NABI, Holiday Rambler, Ditch Witch, Newell, Komatsu, Detroit, Autocar, AutoSearch, Oshkosh, New Flyer, IC Bus, Peterbilt, Diesel Mitsubishi, Thomas Built, Spartan, Orion, Allegro, Gradall, Damon, Freightliner, Diesel Nissan, Blue Bird, Winnebago, Prevost, Volvo Engineering Machinery, Hagie, Scarab, Kenworth, Diesel Toyota, John Deere, Monaco, Ranegade, HD Flexicoil, Leeboy, Sterling, MaxxForce, Scania, American Coach, Starcraft, Miller, MacDon, LoneStar, Haldex ABS, Deutz, Battisti, Startrans, PSI, McCormick, Irizar, Western Star, GM diesel, Case, BCI, Temsa, Volvo marine, Skyjack, Newmar, Eaton, USAFORD diesel, New Holland, Berkshire, Van Hool, Mercedes-Benz, Sprinter diesel, AL-KO, Champion, Elkhart, DAF, Stara, Nexus RV, Volvo, Chrysler diesel, American Lafrance, Claval, ENC, ASV, Terex, Entegra Coach, Thor Motor Coach, E-One, Fleetwood, Wittmann, Crusader Marine, Branson, and Caterpillar.

AVAILABLE ON



X-431 THROTTLE V



X-431 TORQUE LINK

X- 431 FIX HD



The Truck Service module provides service and repair information for the vehicle industry, excluding International. It encompasses various segments such as Commercial Light Truck & Van, Medium & Commercial Vehicle, Engine, Trailer, and Various Major Components.

SUPPORTED PRODUCTS



X-431 THROTTLE V



X-431 TORQUE LINK



X-431 Torque Auto HD Pro

NEW ENERGY VEHICLE SOLUTION

MAINTENANCE AND DETECTION



EVT511



EVB624



EVP711



ELA400



DIAGNOSTIC ADD-ON KIT



TLT615A



TTH 84 EV Tool Cart



ES200



EG100 EV CLAMP

EV & BATTERY PACK

DIAGNOSTIC ADD-ON KIT

LAUNCH New Energy Battery Pack Diagnostic Upgrade Kit comes with battery pack testing cables for various vehicle brands. The battery pack diagnostic software and some diagnostic software for new energy vehicles can be activated and downloaded with the included activation card.



FEATURES

- Quick reading for battery pack information, such as the number of battery pack modules, SOC, SOH, temperature, single cell's, voltage and temperature of each module, etc., which will help technicians knowabout the battery status.
- Supports various battery pack diagnostic methods including non-standard battery pack connector, jumper cables and 16 PIN OBD.
- Battery pack data stemming helps to locate issues accurately and improve repairing efficiency.
- Battery pack diagnostic report can be printed and shared via email.

NEW ENERGY VEHICLES COVERAGE

VW, BMW, MERCEDES, AUDI, TESLA, TOYOTA, HONDA, FORD, LEXUS, MAZDA, KIA, LAND ROVER, JAGUAR, INFINITI, VOLVO, PORSCHE, etc.

BATTERY PACK COVERAGE

PANASONIC, SAMSUNG SDI, SK INNOVATION, CATL (Contemporary Amperex Technology), etc.

EVB624

MODULARIZED WIRELESS EQUALIZER



FEATURES

- Separate charge/discharge design with flexible equalization channels combination for up to 24 cells.
- Wireless networking for easy extension of channel numbers.
- Compatible with most common Li-ion battery types.
- Isolated, high-precision voltage acquisition for secure and accurate equalizing control.
- Supports both charge and discharge equalizing modes.
- Independent cell wiring to prevent connection errors.

FUNCTIONS

- **Equalizing Maintenance**
Supports discharge and charge-discharge equalizing modes, capable of maintaining batteries such as NMC, LiFePO4 and LMO batteries.
- **Data Analysis**
Automatically saves historical equalization records and supports display in curve and bar chart formats.
- **Multiple Protections**
Provides safety protections against overvoltage, undervoltage, overcurrent, output short circuit, reverse polarity, and overtemperature.
- **Data Transfer**
Allows for export of historical data to a USB flash drive in Excel file format.

SPECIFICATIONS

Power Input AC90~264V, 50Hz/60Hz	Display 10.1" LCD touch screen
Output Voltage Range DC 0~112V	Dimension 381*270*275 (mm) 15.0*10.63*10.83 (in)
Output Current Range 1~40A	

Charge unit

Number of Channels 4 channels	Communication Method Wi-Fi, BT
Discharge Voltage Range DC2.8~4.2V	Dimension 215*100*130 (mm) 8.46*3.94*5.12 (in)
Discharge Current Range 1~10A	

Discharge unit

EVT511

EV BATTERY AIRTIGHTNESS TESTER



FEATURES

- Allows presetting of battery pack parameters like volume, pressure, test time, and leakage limits.
- Pressure gauge equipped to display real-time pressure curve.
- High-sensitivity pressure sensing for accurate and stable result.

FUNCTIONS

- **Low-Pressure Air Tightness Testing:**
Utilizes compressed air as a medium to apply a certain pressure inside the battery pack cavity, and a high-sensitivity sensor is used to detect changes in pressure and determine its sealing.
- **Parameter Settings:**
Allows for the presetting of parameters such as workpiece number, volume, pressure, time for each stage, and leakage limit.
- **Process Visualization:**
Displays the work status of stages such as inflation, pressure stabilization, leakage, and exhaust in real-time.
- **Real time display of leakage amount.**
- **Detection History:**
Automatically saves history records and supports the display of detailed data via curve graphs.

SPECIFICATIONS

WORKING POWER 20W (Max)	TEST PRESSURE RANGE 0~30Kpa	SENSOR RESOLUTION 1Pa	TEST ACCURACY ±5pa
COMMUNICATION INTERFACES RS-485/USB	DATA STORAGE METHOD Internal storage upload to USB drive	POWER SUPPLY AC90-264V, 50Hz/60Hz	DISPLAY 10.1" LCD screen
AIR SOURCE REQUIREMENTS 0.1~1.0 Mpa dry compressed air	INTAKE PORT / TEST PORT φ6mm/φ6mm	WORKING TEMPERATURE HUMIDITY 50~131°F / 10%~90% at 77°F	DIMENSION&WEIGHT 349*329*366.5 (mm)/4.0kg 13.74*12.95*14.43 (in) / 8.82 lbs

EVP711

EV BATTERY PACK MODULE CHARGING & DISCHARGING EQUIPMENT

FEATURES

- Support majority of lithium batteries and all nickel-hydrogen batteries.
- Minimized interferences to the BMS.
- Warns of alerts to ensure hardware safety.
- Wide voltage design with multiple charging/discharging modes.
- Flexible setting of charging and discharging rules.

FUNCTIONS

● Charging/Discharging Test

Wide voltage design suitable for battery module charging and discharging test across different voltage levels, supporting a variety of lithium batteries and nickel-metal hydride batteries.

● Voltage Collection of Individual Cells and Group Terminals

Enables real-time acquisition of group terminal voltages and individual cell voltages.

● Individual Cell Protection

Allows the setting of current and voltage protection thresholds for cells to prevent overcharging and overdischarging.

● Group Terminal Charge/Discharge Protection

Provides protection against overvoltage, undervoltage, overcurrent, output short-circuit, reverse connection, and overtemperature.

SPECIFICATIONS

Power Input
AC90~264V, 50Hz/60Hz

Charging&Discharging Voltage Range
DC 2~400V

Charging current range
Maximum Current 100A
Maximum Power 4.4kW

Discharge current range
Maximum Current 100A
Maximum Power 7.2kW

Data communication
RS-485

Charging Control
Constant Current Charging
Constant Voltage Charging

Discharge Working Mode
Constant Current Discharge

DISPLAY
10.1" LCD screen



ELA400

INTELLIGENT DIGITAL POWER SUPPLY



FEATURES

- The high-voltage and low-voltage modules can be managed, maintained and monitored separately, allowing individual protection for each module during power output without mutual interference.
- Built-in cooling fan with intelligent temperature control.
- Independent protection mechanisms are implemented in the input circuit, high-voltage output circuit, and low-voltage output circuit. These mechanisms can detect faults such as undervoltage, overvoltage, overcurrent, and short circuits etc. Fault protection alarms are supported.

SPECIFICATIONS

Power Input
AC100~240V@20A

High-voltage voltage
50~900V

High-voltage current
0~5A

High Voltage
Voltage Knob, Current Knob,
High Voltage switch button

Low-voltage voltage
0~50V

Low-voltage current
0~15A

TLT615A

EV BATTERY PACK LIFT



FEATURES

- Streamline battery pack replacements and maintenance tasks, improving overall productivity while ensuring technician safety.
- Features a dual scissor arm and dual cylinder lifting system with a maximum load capacity (theoretical limit the lift can support under perfect conditions) of 10,000 kg in a straight line.
- Floating movable platform: Composed of an upper floating platform and a lower angle adjustment frame.
- Equipped with 2 curved PU straight wheels and 2 curved PU universal wheels with brakes, offering flexible steering and easy mobility.
- Handheld box with magnetic button control for lifting and lowering, providing safe and easy operation.
- Strong power in various conditions is provided by an AC asynchronous motor (220V, 0.75KW, 13Mpa), and an aluminum alloy power unit with a CE-certified transformer included.
- Features a step-by-step limit rack design, coupled with an electromagnetic switch-driven locking tongue and equipped with a travel limit switch, significantly enhancing operational safety.
- A throttle valve is installed at the front end of the oil pipe components to maximize oil circuit safety.
- The tabletop is densely covered with tooling holes for selecting optional tabletop head components.

SPECIFICATIONS

Rated Lifting Weight 3306.93 lb	Lifting Height 74.41 in	Platform Length 70.87 in	Platform Width 31.50 in
Size 100.39 x 38.19 x 43.31 in	Platform Floating Distance 4 directions ± 1.18 in	Platform Swing X-Axis Angle 4°	Platform Swing Y-Axis Angle 4°
Pallet Height 6.30 - 8.27 in	Lifting Time 20-30s	Lowering Time 10-120 s adjustable	Working Voltage 220V 1PH 60Hz
Power 10.75KW	Package Size 92.52 x 40.55 x 33.46 in (wooden box)	Net Weight 1102.31 lb	Gross Weight 1212.54 lb

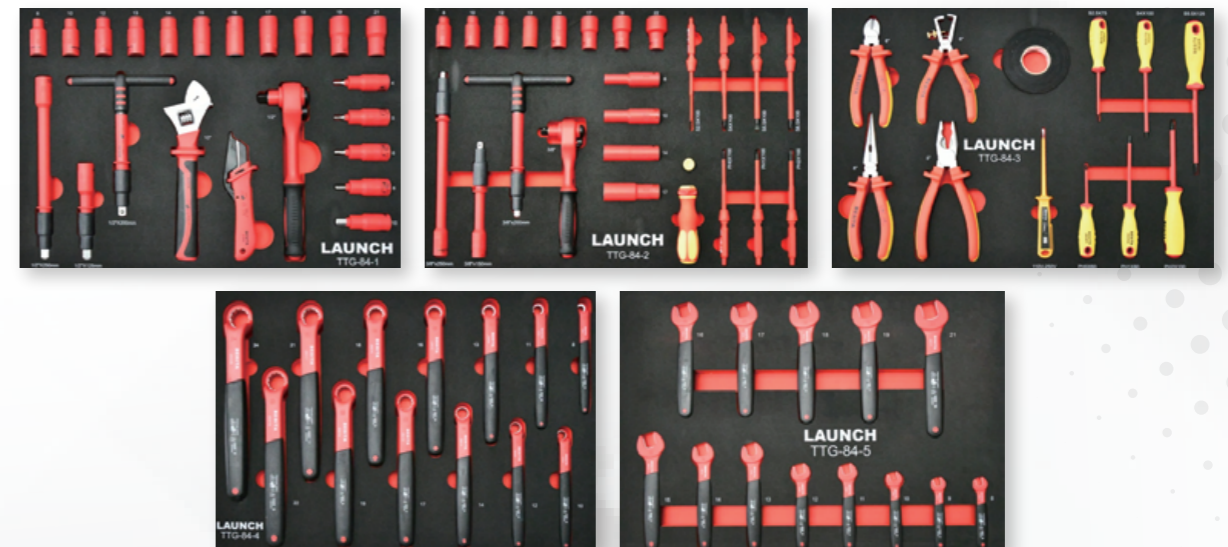
TTH 84 EV Tool Cart



FEATURES

- The variety of insulation tools all complete, which can meet the needs of most new energy vehicle disassembly and maintenance operations on the market.
- All tools have obtained VDE, IEC60900, GS, and CE certifications.

TOOL SET REFERENCE



ES200

PROFESSIONAL INSULATION TESTER



FEATURES

- ES200 is capable of measuring insulation resistance, and also innovatively increases the voltage measurement function.
- Three measurement modes: timing measurement, comparison measurement, continuous measurement, and omnidirectional measurement.
- Equipped with standard resistance, in comparison measurement mode, the measured resistance value is compared with the standard resistance to ensure the measurement accuracy.

SPECIFICATIONS

 BATTERY 3150 mAh	 DISPLAY 5"	 WORKING TEMPERATURE 32~122°F	 DIMENSIONS Width 7.09*6.85*2.58 (in)
 WEIGHT 3.75 lbs			

EG100 EV CLAMP



SIMPLE AND SAFE
Non-contact OC testing can detect when power is on.



FAST AND ACCURATE
Ultra-high sampling frequency combined with a noise reduction algorithm enables



COMPACT AND PORTABLE
Ergonomic design, portable, and easy to use.



DATA STABILITY
Immune to EMI and provides stable and reliable measurement data.

FEATURES














DC Current Testing

- Tailored for Electric Vehicles (EVs) with the capability for concurrent measurement of both current and voltage.
- Supports measurement range selection.
- Supports real-time test value digital display.
- Supports maximum, minimum, and peak-to-peak value display.
- Record and playback the measurement waveform.

AC Current Test

- Display AC Lower current data.
- Supports measurement range selection.
- Supports real-time test value digital display.
- Supports maximum, minimum, and peak-to-peak value display.
- Record and playback the measurement waveform.

SPECIFICATIONS

 Test Mode Clamp CT non-contact measurement	 Battery 9V dry battery	 Phase Error 3°(AC 50Hz/60Hz) 73.4°F ± 3.6°F)	 Frequency Response DC-50kHz
 Accuracy ±3%FS (73.4°F ± 9°F, < 75%rh)	 Jaw Size cp16mm x 18mm (outer diameter of clampable wire)	 Input Measuring Range 0-200AAC/DC	 Resolution 1mA AC/DC
 Output Gear 10mV/A (0-20 A) 100 mV/A(0-200 A)	 Working Current 500mA	 Working Temperature 32-122°F	 Dimension 10.95*2.8*1.46 (in)
 The ZERO button can be used for zero adjustment to eliminate the interference of geomagnetic field and external electric field			

ALL-NEW TPMS SOLUTIONS

ACTIVATE, READ, RELEARN & PROGRAMMING
STAND-ALONE | TPMS TECH | DIAGNOSE WITH ACCURACY



TSAP-5



TSAP-3



Launch Sensor



TSAP-5

Wi-Fi UPDATABLE & TOUCHSCREEN

- Touchscreen Interface
- Make, Model, Year lookup via VIN scan
- Activates all OEM sensors, displays all sensor data
- Worldwide vehicle coverage, always up to date
- Ability to reset vehicles via both manual and OBD II
- Programs all leading aftermarket sensor brands
- Provides TPMS relearn procedures on-screen
- Indicates OE sensor and service kit part numbers
- Displays TPMS data for up to 7 tires in one screen
- Supports Placard Adjustment
- Wi-Fi Updating
- DOT Manual Recording
- Read/Clear TPMS DTC Codes
- Tire Tread Depth Functionality (Accessory Sold Separately)

TSAP-3









- Display all TPMS sensor data on screen
- Program over 20 aftermarket sensors
- Update wirelessly via Wi-Fi
- Activates both 315 & 433 MHz sensors
- Perform 200 + manual & OBD II relearns
- Service motorcycles & dually vehicles
- Lookup TPMS sensor part numbers
- Test/diagnose vehicle keyfob

	TSAP-3	TSAP-5
TOUCHSCREEN INTERFACE	×	✓
Y/M/M VIN SCAN LOOKUP	×	✓
Wi-Fi UPDATABLE	✓	✓
READ/CLEAR TPMS DTC CODES	×	✓
TIRE TREAD DEPTH FUNCTIONALITY	×	✓
DOT RECORDING	×	✓

Launch Sensors

LAUNCH UNIVERSAL & PROGRAMMABLE TPMS SENSOR



-  High Optimized RF Antenna
-  Battery life of 4 to 5 years
-  315MHz/433MHz
-  Cover 99% vehicle TPMS application
-  Unlimited Programming Times
-  0.1mm accuracy

FEATURES

- The LTR-V is significantly smaller than its predecessor but offers a stronger signal.
- Optimized RF antenna for better signal transmission.
- Able to replace all the OE tire pressure sensors, copy the OE sensor data and can be programmed for unlimited times.
- Compatible with more than 98% of OE sensors in 315MHz/433MHz.
- Over-the-air wireless programming and battery life lasts for 4 to 5 years.
- The pressure value of LTR Sensor can be accurate to 0.1BAR with an international leading automotive-grade chip.

SPECIFICATIONS

-  433MHz/315MHz
-  3.0V
-  5-8 dBm
-  -40°F~125°F
-  27.2*20*76.4(mm)
1.07*0.79*3.01 in

Millennium Series



CRP 919 MAX



Millennium Max



Millennium Master 2.0



Millennium OBD



Millennium 30

CRP 919 MAX

ADVANCED SERVICE FUNCTIONS & COMPLETE OBD DIAGNOSTICS



FEATURES

- Supports system-wide and basic function diagnostics, including reading/clearing DTCs, data stream reading, actuation tests, coding, and matching, helping to quickly locate vehicle faults.
- Guided diagnostics for Volkswagen, Audi, and other car brands, providing maintenance assistance based on fault prompts for more efficient repairs.
- Supports CAN, CANFD, and DoIP communication protocols (DoIP cable sold separately: 105022532).
- Offers 31 common special functions, such as service light reset, throttle matching, steering angle reset, brake pad reset, tire pressure reset, ABS bleeding, battery matching, injector coding, DPF regeneration, tooth information learning, anti-theft matching, and anti-theft programming.
- One-click Wi-Fi upgrades for software and firmware.
- Extensive OE-level coverage for domestic, Asian, and European vehicles from 1996 and newer.

SPECIFICATIONS

- 7" touchscreen
- 1024*600
- Rear 8MP
- 64GB
- 4GB
- Android™ 10.0
- 47.880Wh (7.6V,6300mAh)
- 32~122° F

MILLENNIUM MAX



Adjustable Kickstand

FEATURES

- 7-inch touch screen for smooth operating and data reading.
- Supports 10 OBD II/ EOBD diagnostics.
- Supports 31 advanced special functions.
- Auto Detect VIN to access vehicle info within seconds.
- Updatable software via Wi-Fi.
- One click to generate the diagnostic report and upload.
- Multiple languages supported.

31 SERVICE FUNCTIONS



SPECIFICATIONS

- 7" touchscreen
- 9V-18V
- Lithium Battery
- 32GB
- 3GB
- Android™ 10.0
- 9.89x5.8x1.4 (in)
- <1.44lbs

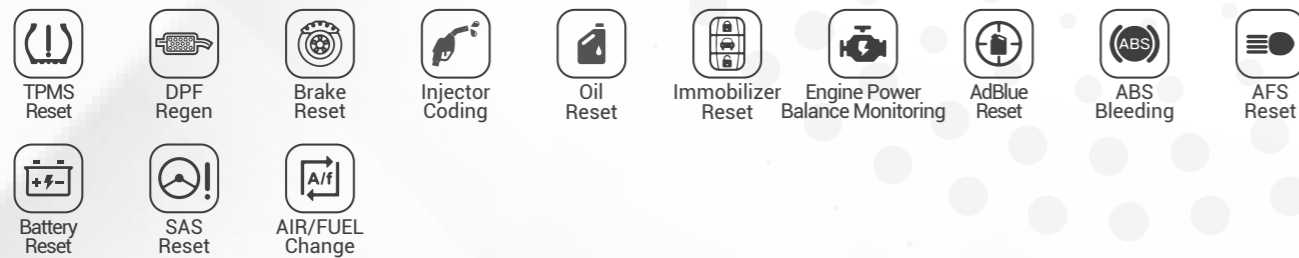
MILLENNIUM MASTER 2.0



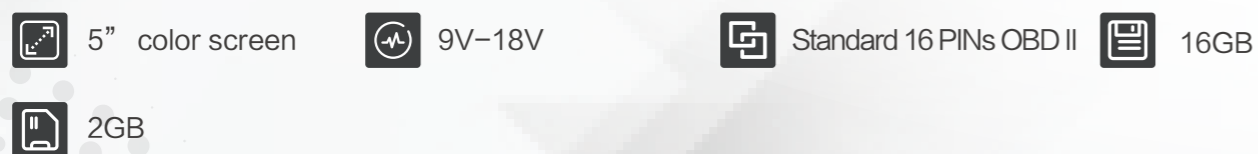
FEATURES

- Compatible with 1996 and newer vehicles, light truck, or hybrid manufactured vehicles (OBD II & CAN).
- Read and erase DTCs, view live data of engine system, AT, SRS, and ABS.
- One-click software upgrade via Wi-Fi.
- Functions include Oil Maintenance Reset, Electric Throttle Relearn, Steering Angle Reset.
- Supports OBD II 9 test modes.
- Automatically identify vehicle VINs.
- Upload diagnostic report to the cloud.

13 SERVICE FUNCTIONS



SPECIFICATIONS



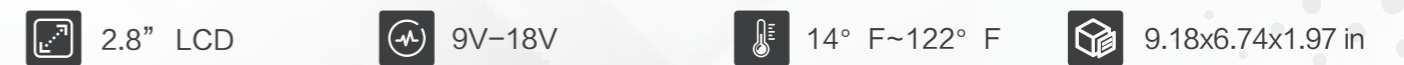
MILLENNIUM OBD



FEATURES

- Look up the definition of diagnostic trouble codes(DTCs).
- Graph live data of multiple sensors displayed.
- Features freeze frame data to do fast and accurate repairs.
- Features I/M Readiness function with one click key.
- View vehicle information to check VIN and its condition.

SPECIFICATIONS



MILLENNIUM 30



EASY-TO-USE INSPECTION EQUIPMENT

FEATURES

- Read & Erase DTCs.
- Freeze frame data.
- Monitor OBD II I/M Readiness.
- European coverage from 1996 and newer.
- Supports OBD II & CAN protocols.
- DTC lookup.
- Domestic and Asian vehicle coverage.

SPECIFICATIONS



1.7"



9V-18V



32° F~122° F



4.65x2.68x0.87 (in)



BST880D



BST580D



BST860S



BST560S



BST360

BST880D

CODE READER AND BATTERY TEST TOOL



FEATURES

- Automatically identify vehicle VINs.
- Full OBD II functionalities are supported.
- Diagnostic report review and share are supported.
- One-click software upgrade via Wi-Fi.
- The battery test voltage ranges from 10V to 16V.
- Supports Battery Test Report Review and Share (Email).
- 9 foreign language are supported: English, Spanish, French, German, Russian, Portuguese, Japanese, Italian and Korean.
- Supports 6 modes on battery test, including Battery Health State Test, Voltage Test, Ripple Detection, Starting System Test and Charging System Test.
- Supports Lead-acid, GEL, AGM battery types and Electric Current Test.
- Supports 10 International Measurement Standards, including CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.

5 SERVICE FUNCTIONS



Battery Reset



Oil Reset



ABS Bleeding



Throttle Matching



Brake Reset

SPECIFICATIONS



4.0" , 480*800



10V - 16V



32° F~122° F



16GB



1GB



Android™ 4.0



6.26x3.46x1.46 (in)

BST580D



FEATURES

- Full OBD II functionalities are supported.
- The battery test voltage ranges from 10V to 16V.
- 7 foreign languages are supported, including English, Spanish, French, German, Russian, Portuguese, and Japanese.
- Supports 10 International Measurement Standards, including CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- I/M Quick Scan, DTC Lookup & Definition.
- Battery test report review is supported.
- Supports 6 modes on battery test, including Battery Health State Test, Voltage Test, Ripple Detection, Starting System Test, Charging System Test, and Electric Current Test.
- Supports Lead-acid, GEL, and AGM battery types.

SPECIFICATIONS



2.8"



10V - 16V



32° F~122° F



16GB



3GB



7.1x4.1x1.2 (in)

BST860S



FEATURES

- International measurement standards supported include CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- The reports to be printed anytime by built-in thermal printer or scan QR to view on the mobile phone.
- Available to the batch inspection of battery by testing continuously and repeatedly.
- Applicable battery types, include 12V (Regular Flooded, Gel battery, AGM battery, EFB battery and lithium battery).
- 6 battery & electrical test functions supported include Ripple Detection, Battery Test, Electric Current Test, Starter Test, Charging System Test and Voltage Test.
- Generate the health report within 3 seconds intuitively display all data on the color screen.
- Applicable vehicles include car, motorcycles, lawnmowers, and other gardening machines, Group 31, commercial vehicles 4D/8D.
- Applicable 12V vehicle's Starter Test and Charging System Test.
- Multi-language supported.

SPECIFICATIONS

- 2.4" TFT LCD display with backlight
- 25.98 irreplaceable test cable
- 0.4~140° F
- 11.12oz
- 7.68*3.94*1.58 (in)

BST560S



FEATURES

- International measurement standards supported include CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, GB.
- Generate the health report within 3 seconds intuitively display all data on the color screen.
- Available to the batch inspection of battery by testing continuously and repeatedly.
- Applicable vehicles include car, motorcycles, lawnmowers, and other gardening machines, Group 31, commercial vehicles 4D/8D.
- Multi-language supported.
- 6 battery & electrical test functions supported include Ripple Detection, Battery Test, Electric Current Test, Starter Test, Charging System Test and Voltage Test.
- Added QR scan function to review the report on the mobile phone.
- Applicable 12V vehicle's Starter Test and Rectifier Diode Test.
- Applicable battery types, include 12V (Regular Flooded, Gel battery, AGM battery, EFB battery and lithium battery).

SPECIFICATIONS

- 2.4"
- 25.98 irreplaceable test cable
- 0.4~140° F
- 11.12oz
- 6.11*3.35*1.26 (in)

BST360



FEATURES

- **INTERNATIONAL MEASUREMENT STANDARDS:**
CCA, JIS, GB, SAE, MCA, CA, DIN, IEC, EN, BCI
- **3S QUICK DETECT:**
Generate the health report within 3 seconds and intuitively display all data on the smart device
- **DATA TRANSMISSION:**
The test data can be exported and downloaded via smartphone and diagnostic tools
- **SAFETY:**
No heating, no discharge, no spark, no operating risks
- **VARIETY BATTERY & ELECTRICAL TEST FUNCTIONS:**
Ripple detection, battery test, starter test, charging system test, electric current and voltage test
- **BATTERY TYPES:**
6V and 12V (Lead-acid battery, gel battery, and AGM battery)

BATTERY TESTER COMPARISON CHART



BST880D



BST580D



BST860S



BST560S



BST360

SPECIFICATIONS				
Operating System	Android 4.0			
Display Screen	4.0" Touchscreen, 480*800	2.8", 320*240	2.4" TFT LCD with Backlight	
RAM	1 GB	3 MB		
Storage	16 GB	16 MB		
Work Temperature	32~122°F, 0~50°C		0~140°F, -18~60°C	

FEATURES				
Battery Type	Lead-acid, Gel, AGM		Lead-acid, Gel, AGM, EFB, Lithium	
Battery Standard	CCA, BCI, CA, MCA, JIS, DIN, IEG, EN, SAE, GB			
Battery Voltage Range	10V~16V		12V	
Work Mode	Standalone	Standalone	Standalone	Standalone
System Supported	Engine, AT, SRS, ABS			
Reset Functions	Oil Reset, Brake Reset, ABS Bleeding, TPMS Reset, Throttle Relearn, Battery Reset			
AutoVIN	•			
Full OBD II Functionalities	•			
I/M Quick Scan	•			
DTC Lookup & Definition	•			
Ripple Detection	•	•	•	•
Battery Test	•	•	•	•
Electric Current Test	•	•	•	•
Starter Test	•	•	•	•
Charging System Test	•	•	•	•
Voltage Test	•	•	•	•
3-second Health Report	•			
Share Report	•	•	•	•
Print	•	•	• (Built-in)	•
Multilingual	•	•	•	•
Lifetime FREE Software Update	•	•		

SHOP EQUIPMENT



VSP-828



X-881 Pro



MTM 100



VSP-600



Tread Master



TIT-202 Pro



CNC-605A



PFP-150

Tread Master

TIRE TREAD DEPTH GAUGE



FEATURES

- Scan the entire tread with a line laser to obtain the number of grooves and the depth of each groove at one time.
- 0.1 mm measurement accuracy, real-time display of measurement data.
- Supports the generation of professional inspection reports and maintenance suggestions, and can scan codes and share after connecting to WIFI.
- Supports single groove depth detection for special patterns of tire.
- The innovative structural design makes the measurement not limited by the height of the chassis, which is more convenient to use.
- 180mm(7.09in) laser measuring width, supporting tires of more specifications.
- Supports Wi-Fi connection, language switching, screen brightness adjustment, automatic sleep, software updates, and more.

SPECIFICATIONS

Accuracy
0.1 mm

Laser Width
7.09 inches (180 mm)

Charging Port
Type C

Display
1.7 inches, 240*280 pixels

Wi-Fi
2.4 GHz

Camera
2 MP, 30 fps

Size
8.82 × 3.82 × 2.76 inches
(224 × 97 × 70 mm)

Working Temperature
32°F to 113°F
(0°C to 45°C)

MTM-100

AUTOMOBILE MULTIMETER



FEATURES

- True RMS automotive multimeter with high reliability and safety.
- Display with large digital screen.
- Microcontroller data processing and high resolution A/D converter.
- Full range of overload protection.
- Measure AC/DC current and voltage, Resistance, Capacitance, Diode/Transistor, Circuit On/Off, Temperature/Frequency, Dwell angle 1-8CYL, RPM 2STR/4STR, Pulse width and 12V battery test, VFC Low-pass filtering, Maximum and minimum value/Relative value etc.

SPECIFICATIONS

DC Voltage
600mV/6V/60V/600V/
1000V ± (0.5%+3)

DC Current
6mA/60mA/600mA/10A
(20A for 10s max) ± (0.8%+8)

Resistance
600Ω/6KΩ/60KΩ/
6MΩ/60MΩ ± (0.8%+3)

Frequency
10Hz - 10MHz ±
(0.1%+5)

AC Voltage
6V/60V/600V/
1000V ± (0.8%+3)

AC Current
6mA/60mA/600mA/10A
(20A for 10s max) ± (1.0%+8)

Capacitance
6nF/60nF/600nF/6μF/60μF/
600μF/6mF/60mF/100mF ± (3%+10)

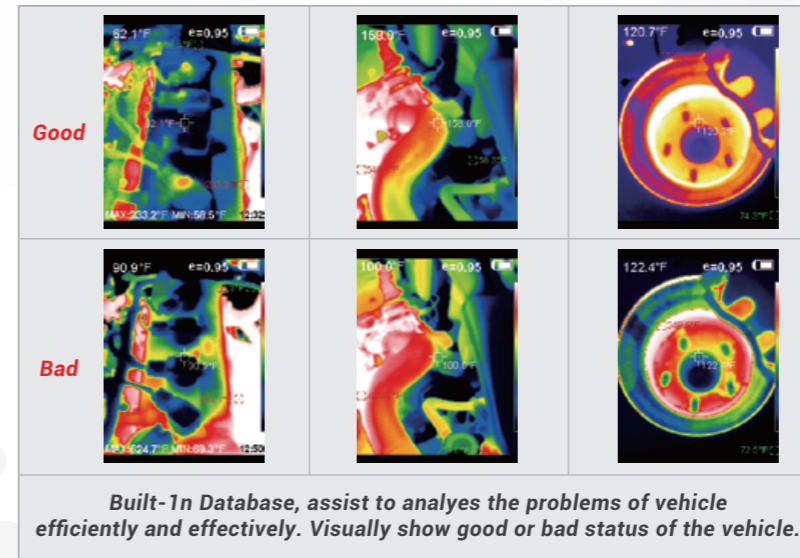
Pulse Width
999.9mS
± (1.5%+10)

Display count
6000

Power
AAA 1.5V*2

TIT-202 PRO

ADVANCED INFRARED TECHNOLOGY



FEATURES

- Capture 240 x 320 resolution image to detect the vehicle parts.
- Easily reveal the problem vehicle systems include engine fault, body air tightness, exhaust pipe, brake system, body heating, bearing system, electrical device and more.
- Built-in database comes with hundreds of reference images in the daily diagnosis.
- Record the IR images, up to 20,000.
- Dual image feature.

SPECIFICATIONS

3.5" 240x320

JPG

20,000 pictures

12.35oz

-4°F~1022°F

300,000 pixels

220x160

Micro USB 2.0

Rainbow, iron red, cool color, black & white, white & black

8.81x2.95x4.01 (in)

VSP-828 VIDEOSCOPE ROTATING LENS

PORTABLE VIDEOSCOPE



FEATURES

- Supports for external TF cards up to 32GB.
- 1280*720 HD Resolution.
- 3 times magnification can be achieved.
- Rotate static image in 4 directions.
- High temperature alarm function.
- 4GB built-in storage on mainboard.
- Picture taking and audio/video supported.
- Flashlight assist function.
- 4-level brightness LED light for adjustment.
- Switch the image between color and black-and-white.

SPECIFICATIONS

Image Sensor
1/9" CMOS720PHD

Best Imaging Distance
1.18 in - 3.15 in

Display Screen
TFT display screen

Display Pixels
1280*720

Frame Rate
30

Flexible Camera Cable
3.28 ft (9.84 ft or 16.4 ft
can be customized)

Power Supply
Built-in 18650
Lithium battery, 3.7V

TF Card Storage
32GB (optional)

Diameter
5.7 mm single lens tube/dual lens
tube/rotating lens tube available

Lens

VSP-600 USB VIDEOSCOPE



FEATURES

- View, record and save images and videos.
- Easy to adjust the strength of lights (6 levels).
- Thin 5.6 mm diameter of the LEN O.D. that can reach most inner structures of vehicles.
- Take pictures easily with the one-click snapshot button.
- View and save images/videos on Launch X-431 scanner.
- Scan QR code to download the software.

SPECIFICATIONS

LEN O.D.
5.6 mm

TUBE O.D.
4.8 mm

TUBE LENGTH
31.5 in

USB PORT
USB 2.0 Type C/
Micro USB

RESOLUTION
1280*720

Working Temperature
32°F~149°F

POWER SUPPLY
5V

PFP-150



FEATURES

- 6 Protection Modes: Reverse Protection, Short Circuit Protection, Low Voltage Protection, Overheat Protection, Overcharge Protection, Synchronous Rectification.
- Programming Mode: Provide a stable voltage source for the car in need of programming or decoding.
- Exhibit Mode: For continual charge with low current in showrooms.
- Normal Mode: Select the charging mode according to the position of vehicle battery (inside or outside).
- Repair Mode: Indicate whether the battery should be repaired or not. Work with various batteries, such as AGM Battery, GEL Battery, and Lithium Battery.
- Max current up to 150 amp.

APPLICABLE VEHICLES



SPECIFICATIONS

WEIGHT 19.84 lbs	INPUT VOLTAGE 110V	POWER 1800 W	MAX. CURRENT 150 A
CHARGING VOLTAGE 12 V	PROGRAMMING MODE 12-14.8V/2-150A	MAH 10-1800Ah	DIMENSION 17.33*16.15*5.52 (in)
ELECTRIC CABLE LENGTH 9.84 ft/16.40ft			

CNC-605A(GDI)

INJECTOR CLEANER & TESTER



FEATURES

- **ULTRASONIC CLEANING**
Completely remove the carbon deposit on the fuel injection nozzle.
- **UNIFORMITY AND SPRAY ABILITY TEST**
- **SEALING TEST:**
Test the sealing and leakage of the fuel injection nozzle under a certain pressure.
- **INJECTION VOLUME TEST:**
Test the injection volume of the nozzle. Make the nozzle continually spray for a certain time.
- **NO DISASSEMBLY NEEDED (FOR EFI & SFI):**
EFI & SFI cleaning without disassembling the nozzle.
- **AUTOMATIC MODE:**
Automatically test the fuel injection nozzle through the present program.

SPECIFICATIONS

POWER SUPPLY AC110V/AC220V 50Hz/60Hz	FUEL PRESSURE 0.1~10 bar	AIR INLET PRESSURE 5-8 bar	RPM 100~990 rpm Step: 100 rpm
MAIN ENGINE POWER 350 W	PW 0.5~25.0 rpm Step: ms	TIMER RANGE 1~30 minutes	OPERATING VOLUME 3000 ml
ULTRASONIC POWER 60 W			

X-881 PRO















**WORKS WITH
2 POST LIFTS!**

FEATURES

- True 2-Post, Multi-Bay Aligner capable of compensating for uneven floors up to 30 degrees
- An ideal second aligner for high-volume shops.
- Less than one foot run-out compensation, ensuring precision in alignment.
- Includes an automatic VIN decoder and wireless scanner.
- Comes with an HP printer and dust cover.
- Enables small 2-bay shops with 2-post lifts to perform alignments.
- Black & Gold Target Filtering Technology, utilizing German and Italian-developed optics.
- Provides complete parameter measurements, including SAI, wheelbase setback, and track data.
- 2 years of software updates provided.
- Remote tech support available and Wi-Fi enabled.

SPECIFICATIONS

 POWER AC 110/220 V 50/60 Hz	 WHEEL BASE 4000 mm Accuracy: ± 2 mm	 Customizable Database 60GB	 CASTER $\pm 20^\circ$ Accuracy: $\pm 0.03^\circ$
 OPERATING SYSTEM 64-bit Windows 10	 MEMORY 2GB	 MONITOR 32" color monitor	 RETRACTION ANGLE $\pm 5^\circ$ Accuracy: $\pm 0.03^\circ$
 PROCESSOR Intel Series	 RIM DIAMETER 10 - 24 inch	 THRUST ANGLE $\pm 10^\circ$ Accuracy: $\pm 0.01^\circ$	 WHEEL TRACK 2000 mm Accuracy: ± 2 mm

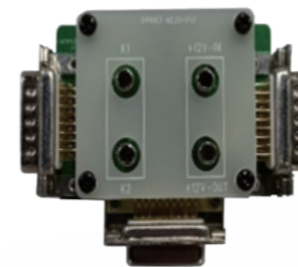
IMMO PRODUCTS



X-PROG 3



X-PROG 3 PC ADAPTOR



MCU V3 ADAPTOR KITS



**KEY PROGRAMMER
+ KEY* KIT**

IMMO ADD-ON



X-PROG 3
Supports key programming, engine, and gearbox replacement for a variety of vehicles. Retrieve, read, erase, and write ECU information for a range of chips as listed in the product options.



X-PROG 3 PC ADAPTOR
Designed to pair with X-PROG3 for seamless ECU and TCU cloning via your PC. Key features include a 2D menu, a powerful search function, convenient ECU data copy and modification, and fast, stable USB communication.



MCU3
ACTIVATION CARD
Software Subscription



X-PROG3

● Vehicle Key Slot	To place car key for RF defection
● DB26	Used to connect to each anti-theft cables
● Key IC hole	Used to place the key chip to perform the key matching function
● Status Indicator	Power supply indicator lamp
● EEPROM Slot	To insert EEPROM board
● Locker	To tighten loose EEPROM board
● DC 12V	Used to connect to the DC12 power supply
● DB15	To connect with vehicle's DLC
● DIY slot	Used to connect the anti-theft ECU pin through the cable to read and write data

Interface
DB26, DB15

Input Voltage
DC 12V

Input Current
500mA

Working Temperature
0-50°C

Storage Temperature
-20-70°C

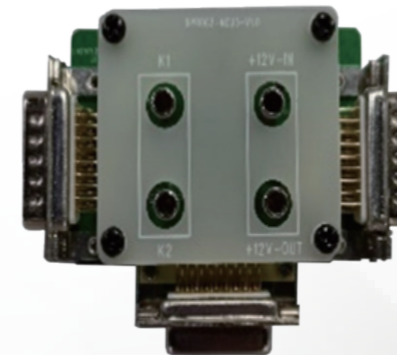
X-PROG3 PC ADAPTOR



- Work with X-PROG 3 as an adaptor.
- The Windows software has only clone function.
- Windows based UI and powerful search function.
- Supports BENCH and BOOT mode Read/Write.
- Fast read/write in Windows (about 3 - 5 times of Android).
- Easier files copy and data comparison in Windows.
- Supports data certification which Android doesn't support.

MCU V3 ADAPTOR KITS

ANTI-THEFT PROGRAMMER ANALOG



- For the ECU cloning function, you can use the MCU V3 (with built-in resistance and power supply) instead, which is convenient for connection.

X-431 KEY PROGRAMMER

+ KEY*4 KIT



Key Programmer
For key chip reading /identification/generation /frequency testing

Key Programming Cable

TYPEC to USB Connector

UNIVERSAL REMOTE KEYS*4

LS4-NISN-01

USAGE SCENARIO

LS intelligent key is only compatible with vehicle models equipped with the Kessy system; its functions include keyless starting and door edge sensing.

FUNCTION

1. Wireless programming
2. Equipped with anti-theft chip
3. Uses the button cell 2032
4. Circuit board with a 2-year warranty
5. Repeatable writing
6. Batteries need to be installed while generating
7. Supports vehicles with 46,47, MQB48, MQB49, 4A chips

LK3-VOLWG-02

USAGE SCENARIO

LK remote is applied in the situations where the remote needs to be matched but the chip is not needed, or it can also be used with super chip.

FUNCTION

1. Wireless programming
2. Not equipped with an anti-theft chip, needs to be used with an anti-theft chip
3. Uses the button cell 2032
4. Circuit board with a 2-year warranty
5. Repeatable writing
6. Batteries cannot be installed while generating

SUPER CHIP



USAGE SCENARIO

Compatible with chips of most car models for conversion. It can also be matched for vehicle starting.

FUNCTION

Supports 8A, 8C, 8E, 4C, 4D, 4E, 48, 7935, 7936, 7938, 7939, 11/12/13

LN3-PUGOT-01

USAGE SCENARIO

Certain chips in LN remote can't generate all vehicle models, it's needed to check whether the type of chip can Supports the vehicle model, the chip is integrated into the remote.

FUNCTION

1. Wireless programming
2. Equipped with anti-theft chip
3. Uses the button cell 2032
4. Circuit board with a 2-year warranty
5. Repeatable writing
6. Batteries need to be installed while generating
7. Supports vehicles with aa, 12,13, 7936,7937, 7947, 7946 chips

LE4-FRD-01

USAGE SCENARIO

LE remote contains chip and remote, the multimode chip can generate most of the vehicle models and cover the majority of them.

FUNCTION

1. Wireless programming
2. Equipped with a multimode chip
3. Uses the button cell 2032
4. Circuit board with a 2-year warranty
5. Repeatable writing
6. Batteries need to be installed while generating

X-431 MODULES



S2-2 Sensorbox



O2-2 Four Channel Scopebox



EM 101N Two Channel Scopebox



J560 PLC Trailer Connector



DoIP Cable



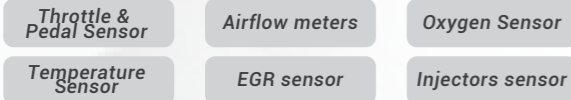
MOTORSPORT Connectors

X-431 S2-2 SENSOR BOX



FEATURES

- ECU Troubleshooting and Diagnostics.
- Support manual write the waveform data.
- Simulate working condition of sensors without replacing parts.
- Used as a Multimeter to measure resistance, voltage, AC/DC, capacitance, frequency and pulse signals, etc.
- One click to enter the intuitive menu of Sensor, Actuator, Defined / draw the waveform, Timing wavefrom, Multimeter, System settings. (works with scanner)



SPECIFICATIONS

NUMBER OF CHANNELS 2	VOLTAGE SIMULATION RANGE 0-20V	MAX. OUTPUT CURRENT 20mA	SQUARE WAVE SIGNAL PULSE FREQUENCY 0-15KHz
SQUARE WAVE SIGNAL DUTY CYCLE 0-100%	DCV SIMULATION Support	FREQUENCY SIMULATION Support	MULTIMETER Support
OPERATING TEMPERATURE 32°F~122°F	STORAGE TEMPERATURE -22°F~158°F	CERTIFICATE CE, FCC, RoHS	

O2-2 FOUR CHANNEL SCOPEBOX



- ECU Troubleshooting and Diagnostics.
- One Key Enable Function.
- Up to 50M Buffer Memory.
- Self-calibration.
- Automotive Tests (Circuits/Sensors/Actuators/Ignition...).
- X-431 Pro Scanners Compatible.

EM 101N TWO CHANNEL SCOPEBOX



- Works with X-431 diagnostic tool.
- Wireless/Wire connection with X-431 diagnostic tool.
- New UI Design with Three Display Modes.
- Needle Sets, Multimeter Pens, Alligator, Clips and Oscilloscope Channel Test Leads included.
- Automatic measurements include Peak-to-peak value, Average value, Maximum value, Minimum value, Top value, Bottom value, Frequency, Period, etc.

	EM101N DUAL-CHANNEL OSCILLOSCOPE	O2-2 FOUR CHANNEL OSCILLOSCOPE
CHANNELS	2	4
BANDWIDTH	10MHz	100MHz
VERTICAL RESOLUTION	8 bits	8 bits
TRIGGER TYPE	Edge, Pulse width	Edge, Pulse width
TRIGGER MODE	Auto, Normal, Single	Auto, Normal, Single SEQ
COMPATIBILITY	X-431 Pro Scanners	X-431 Pro Scanners

02-1/02-2 ACCESSORY KIT

No.	Name	Picture
1	BNC to 4 mm Test Leads	<p>Test lead of a male BNC connector to (2) 4mm connectors. It is a kind of special line for assisting the Oscilloscope to test various types of signals. 4mm connectors are coded in two colors: black (earth wire) and red (positive pole which should be connected with the 6-way Breakout Leads).</p> 
2	6-way Breakout Leads	<p>With these 6-way leads, you will be able to test most of the sensors and actuators on all makes and models of vehicle, including MAP, temperature, throttle position and airflow sensors, fuel pumps, primary ignition circuits and fuel injectors.</p> 
3	USB Cable	<p>Connects the Oscilloscope and diagnostic tool so that the sampled signal can be displayed on the diagnostic tool.</p> 
4	Battery Clamps Cable	<p>To supply power to the Oscilloscope through connection to vehicle's battery.</p> 
5	20:1 Attenuator	<p>It allows the Oscilloscope to measure fuel injector and primary ignition waveforms. *Note: Please note this attenuator should be not used for any high voltage measurements other than fuel injectors</p> 
6	Secondary Ignition Pick-up	<p>This ignition pick-up is applied in the following situations: Secondary-distributor ignition analysis, Secondary-simultaneous ignition analysis and Secondary-direct ignition analysis.</p> 
7	COP (Coil-on-Plug) Extension Cord	<p>Coil-on-Plug extension cord (including earth cord) allows you to take accurate secondary ignition measurements on secondary-direct (Coil-on-Plug) ignition systems. It can be applied in the condition that there are no, or limited access</p> 
8	Multimeter Probes	
9	Crocodile Clips	<p>Designed to connect the bare terminals or leads.</p> 
10	Back Probe Pins Suite	<p>They are mainly used for piercing the insulation of wires to allow for automotive electrical measurements without causing damage to the wires. Additionally they can be used as pin-tip probes while working with small circuit boards.</p> 

COMMERCIAL TRAILER J560 PLC CONNECTOR



- NON-CONDUCTIVE PLASTIC
- WEATHER-RESISTANT
- 7+9 PIN TRAILER CONNECTOR
- WORKS WITH LAUNCH HD SOFTWARE
- Can be powered by the trailer harness or with the included external power pack.

DOIP CABLE



*Required for Turbo III and CRP 919 MAX to enable advanced diagnostics on certain vehicles using the DoIP protocol.
This cable ensures fast, reliable communication for diagnosing modern vehicles equipped with DoIP-compatible systems.*

MOTORSPORT CONNECTORS AND SOFTWARE



MOTORSPORT DIAGNOSTIC CONNECTOR PACKAGE CONTENTS:

No.	Part	Part Name	Quantity
1	Diagnostic Connector	Honda motorcycle 4PIN diagnostic connector	1
2		Yamaha motorcycle-4+3+3+1+1 diagnostic cable	1
3		Kawasaki motorcycle 4+6PIN diagnostic connector	1
4		Suzuki motorcycle 4+6PIN diagnostic connector	1
5		Harley motorcycle OBD16 to 4PIN diagnostic cable	1
6		Harley motorcycle OBD16 to 6PIN diagnostic cable	1
7		BMW motorcycle 10PIN to OBD 16 diagnostic cable	1
8		Ducati motorcycle 4PIN diagnostic cable	1
9		EURO5 motorcycle 6PIN diagnostic cable	1
10		INDIAN, POLARIS, VICTORY 8 Pin diagnostic cable	1

AVAILABLE ON



X-431 THROTTLE V



X-431 TORQUE LINK



X-431 TURBO III



X-431 TORQUE AUTOHD PRO



CRP919 MAX



Millennium Max

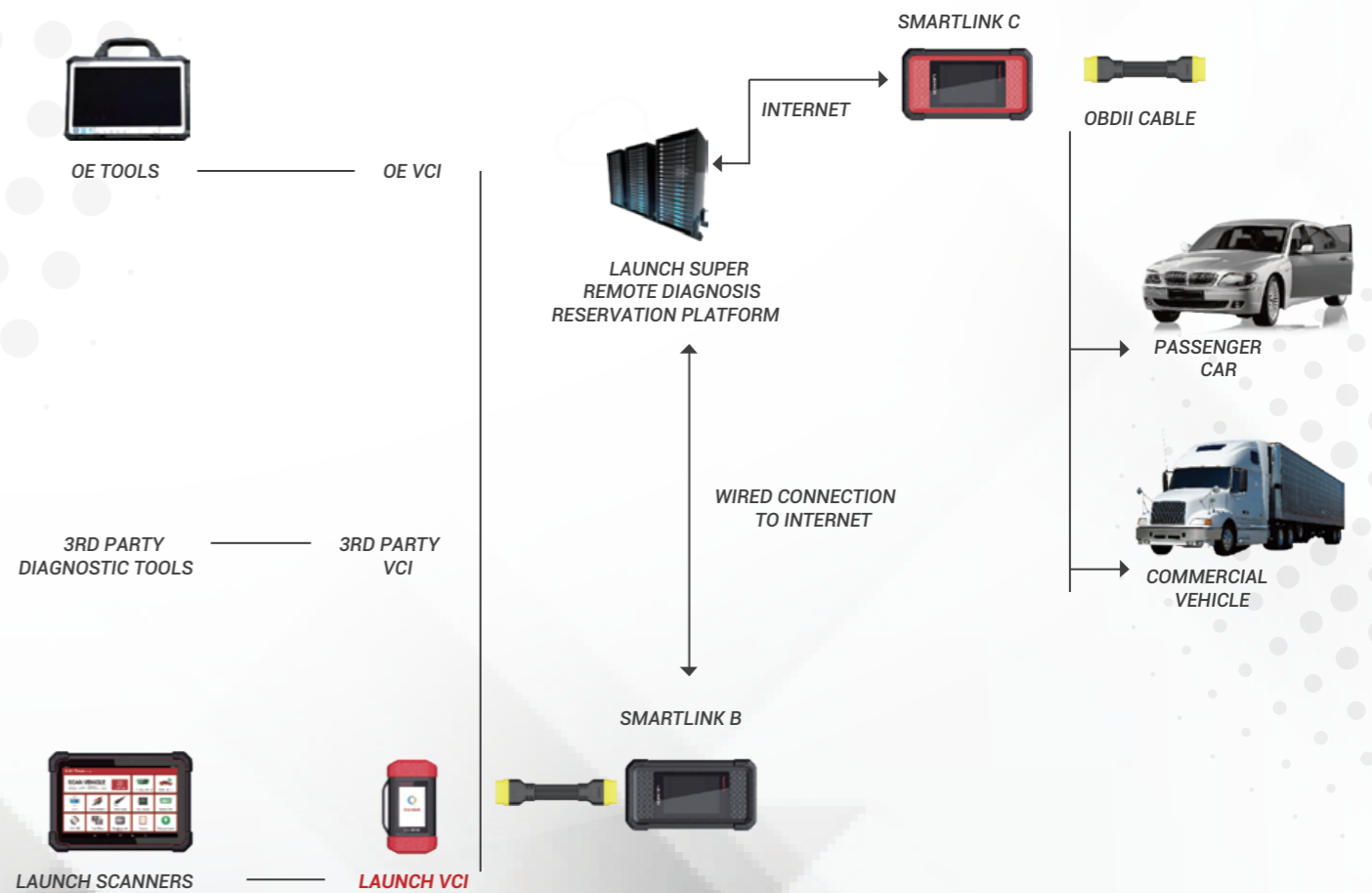
SMARTLINK TOOLS



SMARTLINK B



SMARTLINK C



SMARTLINK C HARDWARE

STANDALONE J2534 REFLASHING DEVICE
COMPATIBLE WITH OE SOFTWARE PLATFORMS



SMARTLINK B HARDWARE

DIAGNOSING FROM A THOUSAND MILES AWAY



FEATURES

- When paired with the Launch Smartlink B, allows for the ability to perform Remote OE Software Reflashes.
- Adheres to new age vehicle network protocols such as DoIP, CANFD, CAN 2.0.
- Publish requests and accept offers from Launch Super Remote Diagnosis Reservation Platform.



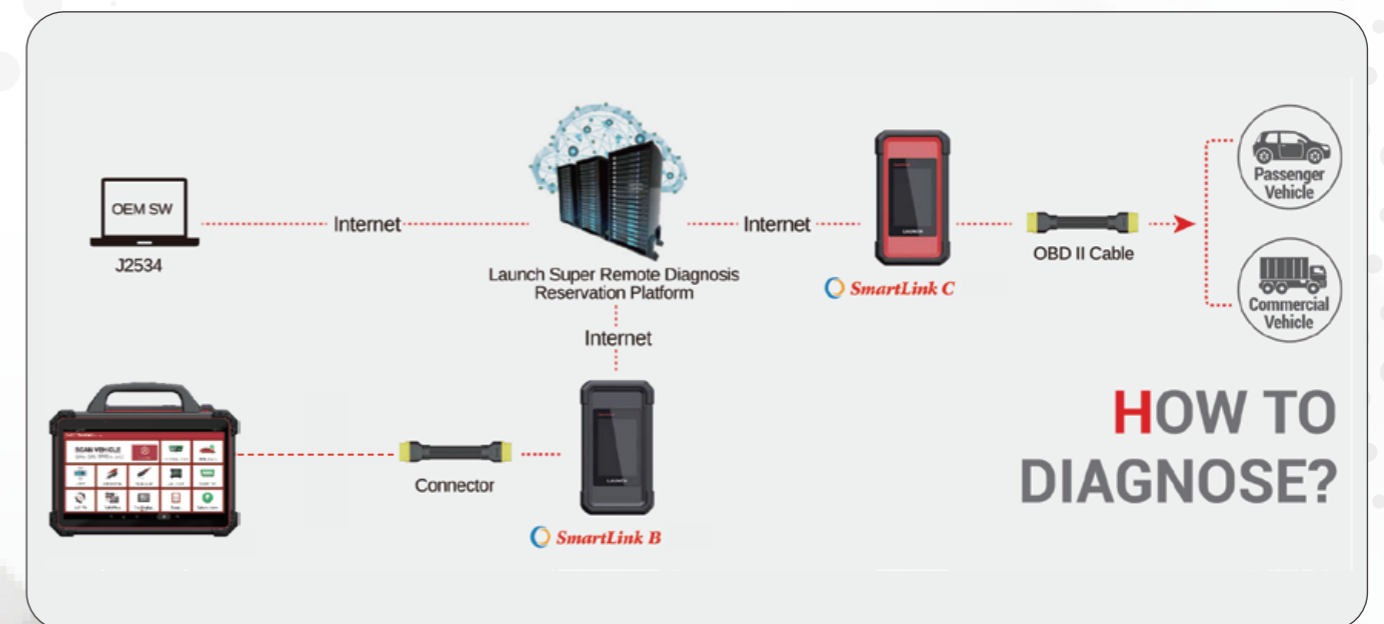
DIAGNOSIS



PROGRAMMING



CODING




HOW TO
DIAGNOSE?


OUR STORY


Launch Tech USA is a leading supplier of diagnostic tools and solutions for over 14 years in the American market.

Our mission is to provide the most innovative and cost-effective solutions in the automotive aftermarket.


Based on over 800 R&D engineers in Launch headquarters, Launch Tech USA introduces new products into the market every year, keeping up with the new trends of diagnostic industry.

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