AUTEL MS ULTRA

UPGRADABLE TO
ADAS
CALIBRATION

anDROID

TESLA &
McLAREN
Compatible

MAXI**SYS** ULTRA

£5,250 excl. VAT

- Extended 2 years warranty
- PROMO - 3 year software free updates
- MaxiFlash VCMI included

The all new MaxiSYS Ultra is the first diagnostic tool to be designed to match the growth of more complex automotive electrical systems and Electric Vehicles (EV) which are becoming ever more common place.
The Ultra has a super large screen, our fastest processors, our largest ever SSD memory and even a docking station as standard.

The Ultra combines diagnostics, service, extensive live data, channel coding and ECU re-flashing* as seen on the MS908Pro. New to the Ultra is our **MaxiFLASH VCMI** with built-in Oscilloscope, Multimeter, Signal Generator and OBD Bus Check Functions. The VCMI connects to the Ultra using hi-speed WiFi which greatly increases the communication speeds.

The all new VCMI also has **Enhanced Protocol Comparability** and supports **D-PDU, RP1210, CANFD, J2534 and DoIP protocols.** The Ultra has all new software specialist capabilities that we have named **Repair Assist, DTC Analysis, Topology Mapping and Relevant Cases**.

3 Years Updates Promo

Specifications

- Android 7.0
- 2,3GHz + 1,7Ghz Samsung Exnos 8895v Octa-Core
- 256GB internal memory
- 4GB RAM
- 12,9" 2732 x 2048 TFT-LCD Corelle Glass
- Ultra fast power on
- 18,000mAh Lithium-Polymer Battery
- Oil and Water screen resistant

Software Updates + Bolt-ons

Future 12 months Update
£1,195 excl. VAT

ADAS Software Upgrade
£850.00 excl. VAT

Optional Compatible Accessories

MaxiVideo MV105
£139 excl. VAT

ADAS Main frame
from £7,995 excl. VAT

BT506
£160 excl. VAT

ITS600
£399 excl. VAT

FCA GATEWAY
FCA Gateway License
£139 excl. VAT

TBE100 or TBE200
£320 or £399 excl. VAT

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COMPARISON TABLE   P.17

 Built-In Oscilloscope

 Built-In Waveform Generator

 Built-In Multimeter

 Built-In CAN bus Check

MaxiSYS Ultra includes a number of great features such as outstanding coverage with 80+ manufacturers, full diagnostics, 26 service functions, channel coding and programming.

The Ultra can be upgraded to operate our ADAS products.

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Tool Case includes:

The Ultra Oscilloscope Contents includes:
- Scope Test Lead x 4
- Multimeter Test Lead x 2
- Attenuator x 2
- Breakout Lead x 4
- Multimeter Probe x 2
- Flexible Back-Pinning Probe x 2
- Back-Pinning Probe x 2
- Back-Pinning Probe Screw x 2
- Back-Pinning Probe Replacement Needle x 20
- Small Crocodile Clip x 2
- Large Dolphin Clip x 2

Our additional Oscilloscope Accessory Kit can be purchased separately and includes the further items of 1 x 65Amp Current Clamp, 1 x 650Amp Current Clamp, 1 x Coil On Plug Probe, 2 x HT Extension Leads and 2 x Battery Clips. **Please see the accessories on page 48.**

All New Software Capabilities

ST System Topology   **RC** Relevant Cases   **TSB** Tech Bulletins
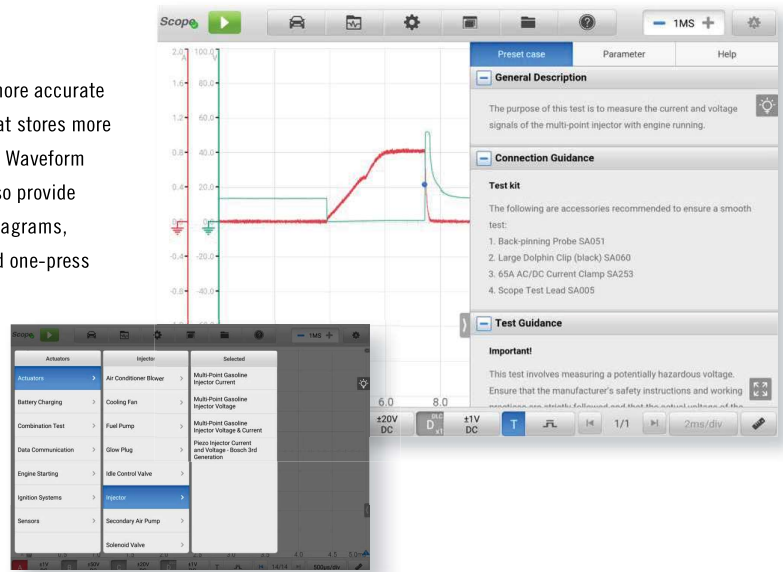
RA Repair Assist   **DTC** DTC Analysis

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Ultra System convergence
with the all new VCMI

The MaxiSYS Ultra and MS919 are supplied with the all new MaxiFLASH VCMI as standard.

The VCMI is full convergence multi-functional Wi-Fi VCI with built in Oscilloscope, Multimeter, Signal Generator and OBD Bus Check Functions.

Furthermore, it is the only Wi-Fi VCMI currently sold that supports **D-PDU, RP1210, CANFD. J2534 and DoIP protocols**.
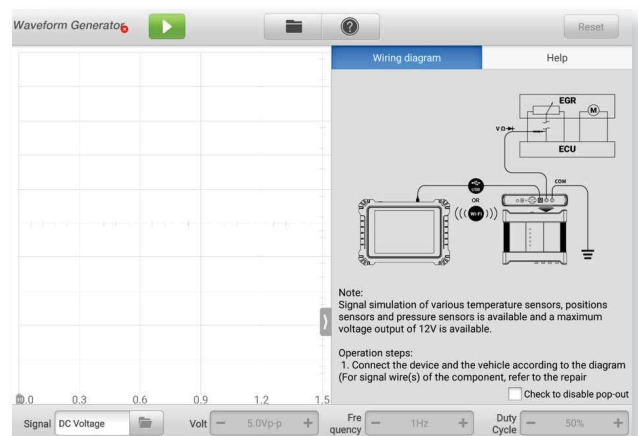
Oscilloscope

The 4 Channel Oscilloscope is faster with 20MHz Bandwidth, more accurate with 80MS/s sampling data rate, and a 32M memory buffer that stores more complex signals, zoom and replay. Our pre-set Guided Test and Waveform Library instructs technician's on use and fault analysis. We also provide a large number of cloud pre-set cases, including connection diagrams, waveform library, reference waveforms, fault case analysis and one-press waveform settings.
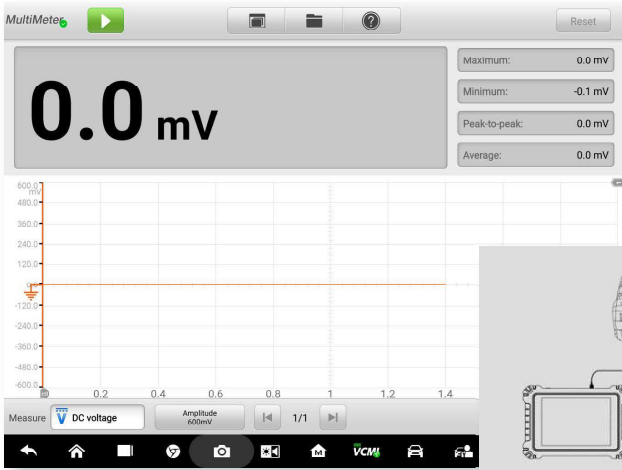
Waveform Generator

The Waveform Generator is used to test a sensor, an actuator, or an ECU without the need to replace them one by one to identify the fault. This is done by simulating signals of various sensors and ECUs, identifying hardware issues.
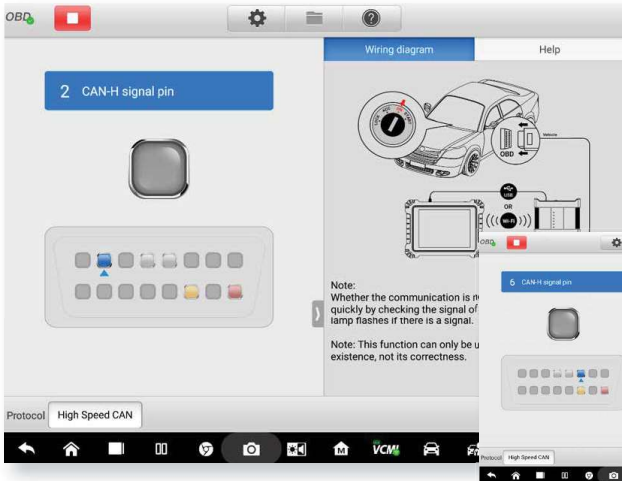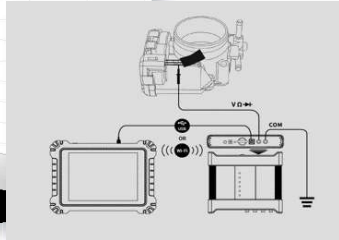
- Simulates sensor signals to quickly diagnose ECU, sensor, and wiring harness issues;
- Simulates ECU signals to perform active tests to verify functions of certain parts (Electronic fan, solenoid valves etc);
- Simulates actuator signals and verifies the communication status between the actuator and ECU (Electronic fan, solenoid valve, headlight)

Multimeter

The professional Multimeter will measure Voltage, Current, Resistance, Diode, Frequency/Period, Duty Cycle, Connectivity and Pulse Width.

CAN Bus Check

The CAN Bus Check can quickly determine whether the OBD pins are functioning correctly.
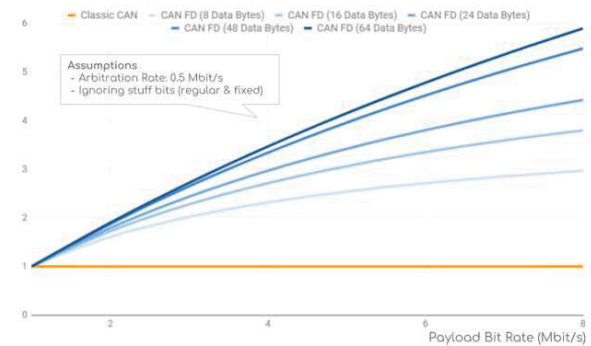
J2534, DoIP Bus, CAN-FD Bus, RP1210 and D-PDU

The Autel VCMI supplied with the Ultra and MS919 supports all the very latest communication and application programming interface protocols.

CAN/CAN FD - Average Bit Rate (Mbit/s) vs. Payload Bit Rate & Data Length

Ultra System convergence with all new SOFTWARE

In addition to the VCMI, the Ultra, MS919 and MS909 are also supplied with 5 new software modules.

System Topology

With our Autel exclusive System Topology Software, the technician can see a colour coded topology display for all vehicle systems and their status on one page! The display shows the structure of communication between modules, and gives the ability to press on a system module to display any DTC's and access the system.

Currently available on BMW, Ford, Volkswagen, Audi, GM, Ford, Chrysler, Nissan, Honda, Toyota Lexus, Jaguar, Land Rover, Mercedes Benz, Hyundai, Kia, Volvo.
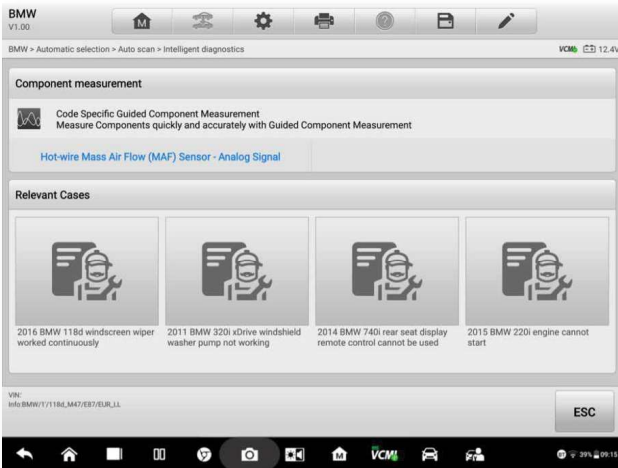
Repair Assist

Our Repair Assist Software displays a list of recommended tests, the completion status and priority for undertaking. Very simply, the higher the priority, the earlier the components should be tested.

- Prioritisation: The best solution path is given in priority via automatic sorting.
- Guided Maintenance: An integrated troubleshooting process organised into the operation steps, that guide the user to solve the maintenance problems.
- Accurate recommendation: Automatically match the circuit diagram and pin position required for the fault.

In the case of multiple inspection steps, you can carry out the inspection step by step, or skip unnecessary steps.

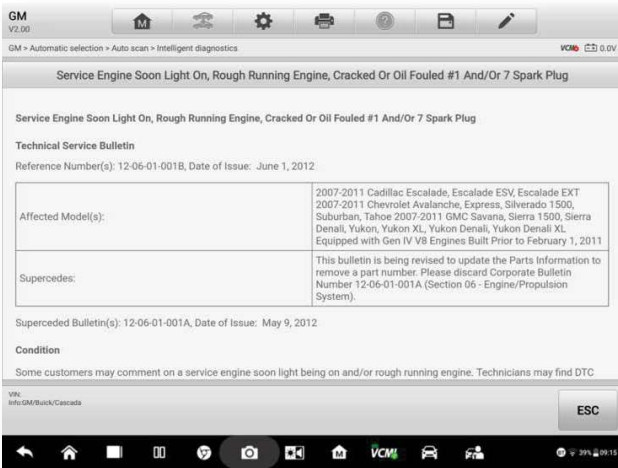**Currently available on BMW, JLR, GM, Ford, Chrysler and Porsche.**

Relevant Cases

The software automatically recommends repair processes that may be relevant to the vehicle and fault. These repair cases/suggestions provide the technician with great insight when diagnosing and repairing vehicle faults.

Please contact us for currently availability on our growing list of manufacturers.

Tech Service Bulletins

See official announcements issued by vehicle manufacturers regarding common problems including vehicle modules, DTCs, repair methods, program updates and recall strategies.

Currently available on Ford, GM, FCA, Toyota, Lexus, VW, Nissan, Honda, BMW, Mercedes, Audi, Hyundai, Kia.

DTC Analysis

The DTC Analysis describes possible causes and solutions for vehicle faults.

Currently available on GM, Ford, Toyota, Lexus, Nissan, Honda, VW, Audi, BMW, FCA, Mercedes.