mega macs X

The future of vehicle diagnostics

has arrived

mega macs X:

putting the power in your hands

The new and highly innovative mega macs X from Hella Gutmann Solutions is a revolution in vehicle diagnostics.

A flexible, modular system with state-of-the-art diagnostic technology at its core, a range of software options and accessories ensures the mega macs X provides the optimal diagnostic solution whatever your workshop requirements may be, now and as your needs grow.

Defying convention. Shifting expectations.

At Hella Gutmann Solutons, innovation has always been at the heart of our business. The mega macs X is a complete re-think of vehicle diagnostics resulting from a realisation that today's workshops need a flexible and adaptable diagnostic solution to be able to keep pace with the rapid advances in vehicle technology.

By isolating the core components of diagnostic device and making each element fully customisable, mega macs X is an innovative solution that offers exceptional flexibility a wide range of additional benefits.

COST-EFFECTIVE

With four software modules providing varying degrees of functionality, from basic features to advanced capabilities, with mega macs X you pay only for what you need.

FLEXIBLE

Choose the appropriate software module for your workshop's requirements and upgrade easily at any time.

USER-FRIENDLY

With all diagnostic procedures operated using a separate display and input device of your choosing – whether a tablet, notebook or PC – there's no need to carry a heavy diagnostic tool.

Set-up is easy too. If using the Hella Gutmann Tablet – or any other tablet with a camera – simply scan a QR code to initiate the process.

Powerful, flexible and built to last

The hardware at the heart of this new diagnostic set-up is the mega macs X device.

Expertly designed, the mega macs X is both compact and robust, ensuring it can more than meet the demands of busy workshop environments. It contains a powerful processor – the "brain" of the solution – for faster diagnosis and repair.

A built-in bracket at the rear of the device allows the mega macs X to be easily attached to a vehicle window when in use, the OBD plug has an integrated flashlight that makes it quicker and easier to connect the device to the vehicle, and a green LED bar indicates diagnostic progress.

With no in-built display or keypad, the mega macs X connects wirelessly to your preferred external display and input device, whether a tablet, notebook or PC running Windows, Mac OS, Linux or Android.

HELLA GUTMANN SOLUTIONS TABLET

The optional Hella Gutmann Tablet is a powerful Android tablet designed specifically for the mega macs X. With a focus on only the essential functions of the device, the HGS Tablet can operate at maximum speed and efficiency, however email capabilities are included to allow diagnostic reports to be sent directly from the tablet.

It comes with a shock-proof casing, designed to protect the tablet from drops on to a concrete floor from a height of up to 4 metres, and a docking/charging station with basic interfaces (such as HDMI and ethernet) allowing the connection of other devices.

MT-USB MEASUREMENT TECHNOLOGY MODULE

The optional MT-USB connects to the mega macs X via the USB socket and turns it in to a practical two-channel multimeter for voltage measurements of up to 60V, as well as current and resistance measurements (subject to licence type).

Measurement module MT-USB

COMING SOON!

MT-X MEASUREMENT MODULE
Premium measuring technology module for high-voltage components with two-channel oscilloscope, connects wirelessly via Bluetooth for greater convenience.

Functionality that can flex to meets your needs

Our variable software and licensing model gives you the option to choose the package that's right for you. Should your needs evolve, simply change your package to suit.

YOUR CHOICE OF SOFTWARE

Our Smart Diagnostic Interface (SDI) software modules range from entry level to full service. Each software module enables basic functions on the mega macs X, such as reading and deleting trouble codes and service resets, with support for PassThru, CAN-FD and DoIP protocols. However, four different software modules unlock a range of additional features such as actuator tests, basic settings, codings and ADAS calibrations (included from licence X2 onwards).

THE SOFTWARE LICENCE

Each software module purchased includes the corresponding licence for 12 months, providing access to software updates and the Hella Gutmann technical support line.

Should your workshop's requirements change, simply upgrade your licence and your software will automatically update to the corresponding level and unlock additional functionality.
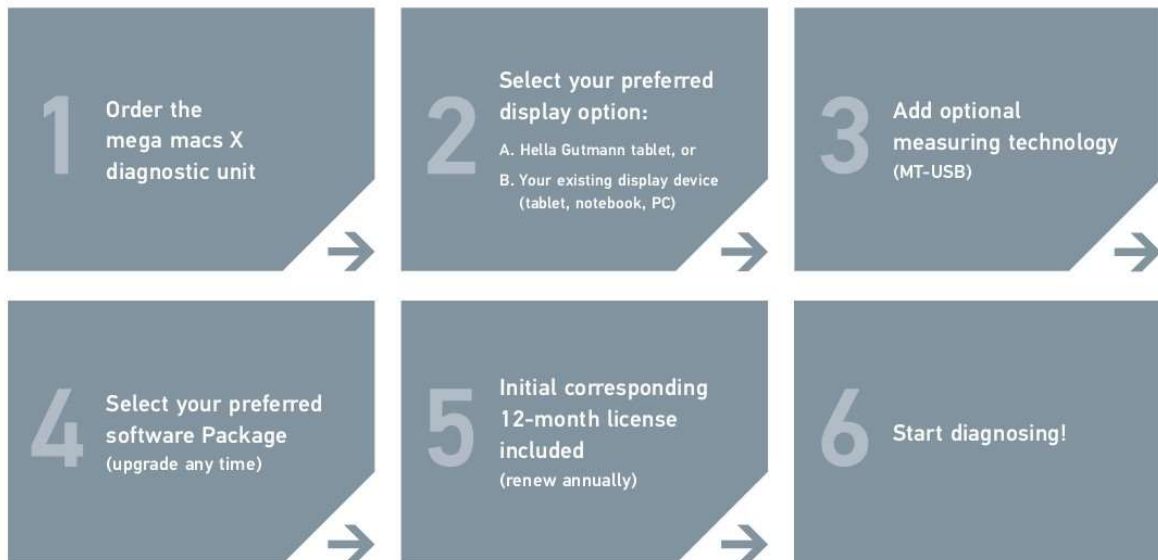
SOFTWARE MODULES			
SDI module X[1]	**SDI module X[2]**	**SDI module X[3]**	**SDI module X[4]**
LICENCES*			
Licence X[1]	**Licence X[2]**	**Licence X[3]**	**Licence X[4]**
FUNCTIONS			
• Reading/deleting trouble codes (without global check) • DoIP technology	• Reading/deleting trouble codes • DoIP technology • Service reset • Basic setting • Parameters • Codings • Actuator test • Test function • Cyber Security Management • Automated retrieval of kilometer/ mileage reading	• Reading/deleting trouble codes • DoIP technology • Service reset • Basic setting • Parameters • Codings • Actuator test • Test function • Proposed online solutions based on trouble codes • Cyber Security Management • Automated retrieval of kilometer/ mileage reading	• Reading/deleting trouble codes • DoIP technology • Service reset • Basic setting • Parameters • Codings • Actuator test • Test function • Proposed online solutions based on trouble codes • Cyber Security Management • Automated retrieval of kilometer/ mileage reading
MEASURING TECHNOLOGY**			
		• Multimeter • 2-channel oscilloscope	• Multimeter • 2-channel oscilloscope • Guided measurements • Pressure measurements • Guided high-voltage measurements*
DATA			
		• Component test values • Component location • Timing belt data • Wiring diagrams • Cabin air filter • Fuses/relays • Flat rate units • Service data • HGS Data • Battery management	• Component test values • Component location • Timing belt data • Wiring diagrams • Cabin air filter • Fuses/relays • Flat rate units • Service data • HGS Data • Battery management • PIN data • Service information • Diesel information • Interactive wiring diagrams • Symptom-based solutions
SERVICES			
	• Technical Help Line	• Technical Help Line	• Technical Help Line
NEW FUNCTIONS AND DATA TYPES			
			• ADAS & LIGHTING • E-mobility

*appropriate software module necessary
**appropriate accessories necessary

Getting started with mega macs X

Once you take delivery of your mega macs X, simply connect your preferred display device, download your chosen software and start diagnosing!

Set-up couldn't be simpler.

1 Order the mega macs X diagnostic unit →

2 Select your preferred display option:
A. Hella Gutmann tablet, or
B. Your existing display device (tablet, notebook, PC) →

3 Add optional measuring technology (MT-USB) →

4 Select your preferred software Package (upgrade any time) →

5 Initial corresponding 12-month license included (renew annually) →

6 Start diagnosing! →

Technical specifications

MEGA MACS X

Processor	ARM dual processor 1.2 GHz RAM 2 GB DDR3 EMMC 32 GB
Interfaces	USB-C DC-In Ethernet
Supply voltage	12 V to 24 V DC
Temperature of work area Storage temperature	0°C to +45°C 10°C to +50°C
Weight	1420 g
Dimensions	210 x 193 x 80 mm (H x W x D)
Demands on an external displaying device	• Screen diagonal 25.4 cm (10") • Screen resolution at least 1024*768 Pixel • Wi-Fi corresponds to IEEE 802.11 n • Google Chrome browser at least version 81

MEASURING TECHNOLOGY MT-USB

Supply voltage	5 V ▬ (via USB)
Power input	max. 2.5 W
Current consumption	max. 500 mA, 300 mA at average
Ambient temperature	Recommended: +10 to +35°C Working range: 0 to +40°C
Suitable for humid environment?	No
Altitude	max. 2000 m above sea level (Normal Height Null)
Relative air humidity	approx. 10–90 % (not condensating)
Continuous operation	Yes
Weight	approx. 490 g
Dimensions	38 x 102 x 130 mm (H x W x D)
Type of protection	IP20
Bandwidth	max. 100 kHz
Sampling rate	1 Msa/s
Amplitude resolution	12 bit
Measuring channels	2
Measured variables	• Voltage • Current (external clamp meter) • Resistance

CHARGING TRAY FOR MEGA MACS X

Non-contact charging procedure	Inductive energy transfer according to Hella Gutmann standard (no QI charging procedure)
Supply voltage	15 VDC
Temperature of work area Storage temperature	0°C to +45°C 10°C to +50°C
Weight	590 g
Dimensions	164 x 164 x 37 mm (H x W x D)

HELLA GUTMANN TABLET

Software	Android 9.0
Operating temperature	−10°C to +50°C
Processor	Rockchip RK3399
RAM/ data storage medium	4 GB RAM 64 GB eMMC
Display	X10.1" WUXGA 1200x1920 IPS 470 nits
Audio	1 digital microphone | 2 integrated speakers
Input	10-point multi-touch, glove, with capacitive stylus, glove mode and wet-touch mode
Interfaces	• Docking station • USB 3.0 • USB 2.0 • Micro USB 2.0
Remote interfaces	• Wi-Fi IEEE 802.11 a/b/g/n/ac • Bluetooth® 4.1 • Bluetooth® 4.2
Battery charging voltage	3.7 V
Battery capacity	10,800 Ah / 40 Wh
Battery run time	up to 8.5 h
Dimensions	283.4 mm x 192 mm x 21.9 mm
Weight	1280 g

DOCKING STATION HELLA GUTMANN TABLET

Supply voltage	AC adapter 65 W (19 V / 3.42 A)
Temperature of work area Storage temperature	0°C to +45°C −10°C to +60°C
Weight	2500 g
Interfaces e.g.	• HDMI x 1 • USB 2.0 (type A) x 4 • VGA port x 1 • Display port x 1 • LAN port x 1 • Audio MIC in x 1 • Audio line out x 1 • DC-IN x 1