



S O L U T I O N S

mega macs 66



THE PREMIUM DIAGNOSTIC SYSTEM
WITH REAL-TIME REPAIR CONCEPT

ONLY THE BEST FOR THE BEST: mega macs 66 WITH REAL-TIME REPAIR CONCEPT

Those who want to maximise repair shop profitability will need everything – and only in the best quality: fast vehicle identification, reliable fault diagnostics and a comprehensive supply of data and parts information as well as expert support for particularly tricky problems. With the mega macs 66 diagnostic system, Hella Gutmann Solutions provides a unique repair concept* that sets new standards in all areas of diagnostics and vehicle repair – for passenger cars and motorcycles. The real-time repair concept of the mega macs 66 ensures shorter repair times, a faster supply of data and increased repair shop utilisation. You will find that these advantages pay off from day one.





* in combination with a Plus licence (scope of licence may vary by country)



How work is performed by the pros – and all those looking to join them

Fast diagnostics, targeted troubleshooting and extensive repair support through to secure ordering of spare parts – the mega macs 66 is ready for everything that professionals need in their demanding day-to-day operations. New data types and functions and the connection to helpful systems from Hella Gutmann Solutions, HELLA and Hella Nussbaum Solutions enable even greater levels of performance in a single diagnostic solution.

Simply ingenious

A smart case, innovative technology and a completely new repair concept: this is what the mega macs 66 brings to the table. But one particular aspect stands out in the mega macs 66: a huge amount of reliable diagnostic knowledge from Hella Gutmann, including all data and functions, which considerably simplifies everyday repair shop operations and provides you with professional support for all work steps.

Sophisticated operating concept

Using the intuitive and very easy to operate touch screen interface, repair shop professionals can run all the necessary diagnostics, work steps, measurements and data comparisons in real time. That means no longer wasting time on unnecessary searches or guessing. The result is a significantly higher turn-around rate in the repair shop and increased income.

Repair solution at the push of a button*

For the most commonly read out trouble codes and fault combinations, the mega macs 66 provides you with immediate information on specific causes, background information and solutions from one of the largest databases for diagnostics and repair data in the world. This means trouble code-based repair solutions are provided in real time. The scope of the diagnostic database is constantly increasing, which ensures that you are always up to date.

Reliable help

If you cannot proceed with repair work despite the extensive system support, you can send the entire vehicle and repair history to the Hella Gutmann technical centre. You will promptly receive further help* in the form of the latest data, repair instructions and practical tips from real masters of the art.

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The sophisticated design of the mega macs 66 enables top-quality work – in even the smallest spaces

Professional support*

More than 60 professionals who cover all the important brands and vehicle models and work at the Hella Gutmann technical call centre personally deal with all incoming requests and provide real time solutions. They keep working until even the most challenging cases are resolved.

Particularly helpful

The mega macs 66 provides the opportunity to use interactive colour circuit diagrams. Users can click on the well-thought and clearly structured graphics to display useful information in real time, such as all the important parameters for the component in question. This prevents users from wasting time performing measurements and detailed searches in order to identify the correct parameters. This increases the speed and reliability of the repair work.

Even greater knowledge

Following unique vehicle identification via the VIN code, the tool provides specific information on the state of the diagnostic ports, components and all work steps on the respective vehicle. Should anything be unclear, assistance is provided by an extensive component database with intelligent linking to all available functions and settings. Digital compression measurements performed via the ECU save even more valuable time and prevent unnecessary bolting operations: the mega macs 66 reliably checks the compression, providing lightning fast initial information on the mechanical state of the engine for a large number of conventional models.

Never forget anything

All fault reports that have been read out and all work that has been performed is stored to your archive via the Car History. The data that is collected can be put to use internally for the purpose of tracking the vehicle history and customer loyalty.

NEW! Manage batteries

The new **battery management*** for the mega macs 66 fully integrates into the existing software interface, issuing valuable technical data on the battery location, providing important tips and instructions on installation and removal, helping to prevent jump start faults and ensuring safety and clarity in handling expensive and complicated start/stop systems.

NEW! Useful service information*

Where are the lifting points on the vehicle needing repair, what must be taken into account when towing, does the vehicle feature jack mode and what needs to be done when testing and configuring the electric parking brakes? All these questions and more are answered by the mega macs 66 with innumerable data records located under the new **"Service information" menu point**. You can benefit from this by having all the key information ready even more quickly, enabling you to complete service work in record time.

NEW! High-quality instructions

The mega macs 66 provides access to useful **repair instructions*** for the engine, brakes and chassis assemblies. There, you can find detailed instructions in written and graphic form, enabling you to make the necessary repairs more quickly and eliminate faults from the very start.

NEW! Not just for gasoline vehicles

The new **"Diesel systems"*** menu point provides mega macs 66 users with helpful guidelines relating to the Diesel Particulate Filter. It also features a large amount of technical data and service information that you will not want to do without in the course of performing day-to-day work on diesel systems.

NEW Direct from the manufacturer

Under **"Manufacturer campaigns"**, information from manufacturers relating to technical component modifications or software updates is displayed directly on the screen. The components in question can be changed or modified during the next service. This ensures legal and manufacturer-compliant protection for repair shops and customers alike.

NEW Open to new ideas

At Hella Gutmann Solutions, we are constantly working on making your day-to-day repair shop operations even easier and more profitable. This is why we are working together with our partners from HELLA and Hella Nussbaum Solutions to develop new test units that are perfectly tailored to the mega macs 66 diagnostic system and provide an added boost that makes it even easier to perform your work.

Equipment and systems** that can already be used together with the mega macs 66:

LPD-Kit

Together with the MT 66** measurement module, the Low Pressure Diagnostic-Kit measures all pressures in the vehicle circuit quickly and reliably.

BPC-Tool

The Battery Power Check-Tool helps you keep an eye on all the relevant battery values without having to remove the battery itself. The saves time and – particularly with regard to expensive start/stop systems – a lot of money.

CSC-Tool

The Camera & Sensor Calibration Tool is an economical setup tool that features a modular structure and can be used with a wide range of advanced driver assistance systems. Taking the basic equipment as a starting point, the system can correspondingly expand the brand density at your repair shop in a brand-specific manner. The sophisticated system provides a return on investment after only a few uses, ensuring reduced stress and increased turnover from the word go.

Future-proof for the long term

The hardware slots with modular expansion capability that are present in the mega macs 66 ensure that even functions developed in the future will be available to use on the basic tool without any problems.

Clearly faster

The mega macs 66 enables direct connection to a spare parts catalogue of your choice. This can considerably reduce the amount of time it takes to order parts and equipment. The vehicle identification that is performed via the VIN code also prevents unnecessary incorrect and duplicate orders, helping to save money.

Outstanding operational safety

The independent operating system of the mega macs 66 provides the highest levels of security according to industrial standards. It is extremely robust and is not vulnerable to computer viruses. The autonomous nature of the software in the tool and the modules enables updates to be carried out particularly promptly and independently of one another.

Make it personal

A personal user account can be created on the mega macs 66 for each individual repair shop employee. This is ideal for future orders placed by the same customer and for ensuring that the correct member of staff is swiftly available on the other end of the line in the event that the Hella Gutmann technical call centre contacts the repair shop following an automated "call for help".

Not just for cars

Upon request of the customer, mega macs 66 can be turned into a motorcycle tester*, providing all the mo macs functions but without the need of additional hardware. Adapter sets for all major motorcycle brands are available as equipment for a low price.



Ideal for car dealerships looking to offer more:
motorcycle diagnostics with mega macs 66

Technical data

GENERAL DATA	
Supply voltage	10 – 15 V
Battery charging voltage	12.5 – 18 V
Current consumption	Max. 4 A, average 2 A
Power supply	Li-poly battery/3.3 Ah
Display	Design: TFT Resolution: SVGA Size: 12.1"
Input	Touch screen
Operating range	0 – 45°C
Compatibility	asanetwork
Weight	3,800 g including battery/250 g (module)
Dimensions	135 mm x 362 mm x 302 mm (H x W x D)
Degree of protection	IP20
Interfaces	WLAN and Bluetooth®
Catch area	3 – 10 m (inside)/max. 50 m (outside)
DT 66 (DIAGNOSTIC MODULE)	
Battery charging voltage	10 – 15 V
Current consumption	Max. 600 mA, typically 150 mA
Module weight	250 g
Battery	Li-poly battery, min. 790 mAh
Dimensions	37 x 82 x 160 mm (H x W x D)
Interfaces	1 x ST2, 1 x module interface, Bluetooth® class 1
Data transfer rate	Max. 3 Mbit/s
Frequency band	2.4 GHz
CONTENTS OF DELIVERY FOR THE BASIC EQUIPMENT	
mega macs 66 with touch screen and new diagnostic software	
Battery pack	
Mains supply	
Diagnostic module (DT 66)	
ST2 with OBD adapter	
air macs base	

OPTIONAL EQUIPMENT	
MT 66 (measurement module)	
Current consumption	Max. 500 mA, average 400 mA
Module weight	250 g
Dimensions	37 mm x 82 mm x 160 mm (H x W x D)
Bandwidth	Max. 10 MHz
Sampling rate	64 MSa/s
Memory depth	64 kByte
Amplitude resolution	12 bit
Overload protection	Max. 200 V
Measuring channels	2 (galvanically isolated)
Measured values	Voltage, current, resistance
Interfaces	4 x safety socket 4 mm, (2 per measuring channel), 1 x ST3 (12-pin)
UMTS 66 (UMTS module)	
UMTS broadband	HSDPA 7.2 Mbps (WCDMA)
Quad band EGSM	(850, 900, 1800, 1900 MHz)
Dimensions	37 mm x 82 mm x 160 mm (H x W x D)
Module weight	150 g
Other equipment	
LPD-Kit (for pressure measurements from -1 to 60 bar)	
Vehicle adapter	
Motorcycle adapter	
Current clamp, blue, 0 – 700 A	
Current clamp, green, 40 A	
Tool case	
Diagnostic station	



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 ** optional element



Parameter	Value	Unit
Engine Temperature	90.5	°C
Oil Pressure	4.2	bar
Water Level	Low	
Brake Pad Wear	75%	
Spark Plug Condition	Good	
Alternator Output	13.8	V
Transmission Oil	OK	
Steering Rack	OK	
Exhaust System	OK	
Belts and Hoses	OK	
Overall Health	Good	

At a glance

The mega macs 66, which features a real-time repair concept, is well thought out and will master all the requirements of day-to-day repair shop operations. Operated via an intuitive touch screen interface, it assists you with all tasks from vehicle acceptance, clear diagnostics and targeted troubleshooting through to ordering spare parts and accessories. Should you have any problems, the professionals at the Hella Gutmann technical call centre will provide assistance quickly and with a minimum of fuss until the desired solution is reached.*

Performance overview

- ✓ Touch screen interface featuring intuitive operation
 - ✓ expandable hardware slots for additional functions
 - ✓ read and delete trouble codes for all ECUs
 - ✓ Motorcycle diagnostics featuring all mo macs functions**
 - ✓ Trouble code explanation with detailed information
 - ✓ Trouble code-based vehicle-specific repair tips in real time*
 - ✓ Actuator test
 - ✓ Parameter depiction and explanation of up to 16 parameters simultaneously
 - ✓ Codings, basic settings, service resets
 - ✓ interactive colour circuit diagrams with real value depiction and parameter depiction in real time*
 - ✓ Diagnostics for all components with instructions on the correct measuring connection**
 - ✓ fast multimeter with graphic presentation**
 - ✓ 2-channel oscilloscope (measuring range: 10 µs to 200 s**)
 - ✓ Service schedules and troubleshooting plans*
 - ✓ Symptom-based proposals for solution*
 - ✓ automatic signal evaluation*
 - ✓ Engine and interior images featuring component position
 - ✓ detailed repair tips*
 - ✓ Car History
 - ✓ direct connection to parts catalogues for equipment and spare parts**
 - ✓ air macs base for wireless communication with the PC
 - ✓ can be expanded to a 4-channel oscilloscope**
 - ✓ measuring low pressures**
 - ✓ featuring pass-thru capability
 - ✓ WLAN
 - ✓ new technical data
 - NEW!** Battery management*
 - NEW!** Service information*
 - NEW!** Repair instructions*
 - NEW!** Diesel systems*
 - NEW!** Manufacturer campaigns*
 - NEW!** Connection to LPD-Kit**, BPC-Tool**, CSC-Tool**
- and much more

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** optional element

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