

The new mega macs 77 is available now

The **fastest diagnostics** ever available from Hella Gutmann



Increase
your turnover
now

THE
WORKSHOP'S
FRIEND 

Bring repair shops on the fast track

Speed is an increasingly important factor in our high-tech world. Workshops are starting to notice this now. The faster the car is ready for operation again, the more effective is the work and the more satisfied is the customer. Not to mention the tedious and sometimes even frustrating troubleshooting which is difficult to invoice to the customer. It is therefore obvious that fast diagnostic processes and target-oriented repair support are the key elements for the long-term economic success of the workshop.

With the real-time repair concept Hella Gutmann enabled a quantum leap in guided repair support. The professionals in the workshop have been benefitting from the repair tips based on trouble codes and symptoms. All trouble codes and parameters could be transferred directly from the Car History to the experts of the Technical Helpline of Hella Gutmann simply at the push of a button. The experts of the Technical Helpline assist you personally so that even the trickiest problem can be solved.

Now we have sped up the real-time repair concept even further and with the mega macs 77 we can offer an improved diagnostic process. For the workshop this means **the fastest and most complete diagnostic and repair support** ever provided by Hella Gutmann Solutions.

Full speed ahead with the new mega macs 77

- Extra-large 15.6" full-HD touch screen
- Real-time repair concept
- Precise measuring technology with step-by-step instructions and automatic comparison of specified and actual values
- Reading and deletion of trouble codes of all ECUs
- Parallel indication of up to 16 vehicle parameters
- Vehicle-specific repair tips based on trouble codes indicated in real time
- Codings, basic settings and service resets
- And much more



Big screen for a complete overview

The extra-large 15.6" full-HD touch screen

No matter if you wish to see the 16 vehicle parameters at a glance, wish to adjust basic settings, wish to see the service data or are following the step-by-step instructions for systematic troubleshooting – thanks to its extra-fast processor the mega macs 77 delivers all the results at cyberspeed. In this way the user has everything in view at all times and can work with maximum efficiency.

The mega macs 77 occupies the leading position

Guided measurements with guarantee for success

The new mega macs 77 enables measurements of current, voltage and resistance in no time and convinces through a whole new level of quality of guided measurements. The device connects itself directly to the component test values and takes all settings of oscilloscope and multimeter automatically. It directly indicates nominal values as well as the graphic indication of nominal signals. You can instantly recognize if the measured values are OK (marked in green) or if they do not correspond to the nominal value (marked in red).

Even beginners in diagnostic work will receive professional and applicable measuring results thanks to the detailed instructions and notes. In this way even complex electronic systems can be measured and the results evaluated. For the workshop this means quicker fault localisation, quicker repair processes and increased turnover.



Speed limit eliminated

First-class real-time repair concept

Thanks to a more powerful processor and guided measurements the mega macs 77 delivers quick and extensive vehicle-specific repair tips in written and graphic form for more than 49,000 vehicle models of all the relevant makes. Should you nevertheless

not get a solution on the odd occasion you can send the entire repair history to the experts of the Technical Help Line of Hella Gutmann at the touch of a button. The specialists will then find the solution to even the trickiest of problems in minimum time.

Clear determination means fast repair

VIN identification

The VIN identification of the connected vehicle is often done automatically and saves valuable time that would otherwise be lost in searching for the correct model. The VIN identification is also helpful for ordering spare parts. The order of spare parts is the work of a moment if the mega macs 77 is also connected to the spare parts catalogue. Incorrect or duplicate orders also become a thing of the past. A real VIN-WIN situation for your time management.



Quick overview of the features of the new mega macs 77

- Intuitive **15.6" full-HD touch screen interface**
- Extra-fast processor
- Revised software
- Real-time repair concept
- Vehicle-specific repair tips based on trouble codes indicated in real time*
- Symptom-based proposed solutions*
- **Trouble code explanation with detailed information**
- Expandable hardware slots for additional functions
- Reading and deletion of trouble codes of all ECUs
- Motorcycle diagnostics**
- Actuator tests
- Parallel indication of up to 16 vehicle parameters
- Codings, basic settings, service resets
- **Interactive colour circuit diagrams with depiction of actual values and parameters in real time***
- Diagnostics of all components with instructions for correct measuring connection
- Precise measuring technology with step-by-step instructions and automatic comparison of specified and actual values
- Fast multimeter **with graphic indication****
- 2-channel oscilloscope (sampling rate of 65 MS/sec)**
- Extendable to **4-channel oscilloscope****
- Service and troubleshooting plans*
- Automatic signal evaluation*
- Images of engine compartments and cabin with component location
- Detailed repair tips*
- Car History **including performed measurements**
- Direct connection to parts catalogue for accessory parts and spare parts**
- Pressure measurements within the range of **-1 to +60 bar****
- PassThru-capable
- Docking station with charge function, **Ethernet, DVI-D and additional USB host interfaces**
- WLAN
- Technical data*
- Battery management*
- Service information*
- Repair instructions*
- Diesel systems*
- Manufacturer campaigns*
- Connection to the **LPD-Kit** and BPC-Tool****
- And much more

Basic scope of delivery

- mega macs 77
- DT-VCI
- Docking station
- Power adapter
- Power cord (country-specific)
- USB interface cable for the VCI
- USB interface cable for the mm77
- Lanyard
- USB pen drive with drivers
- Shipping carton
- Quick start guide



* In connection with a Repair Plus licence (licence scope may vary depending on the country).

** Optional addition.

Technical data

MEGA MACS 77	
Supply voltage	15 V
Current consumption max.	5 A
Operating temperature range	0 °C to +45 °C
Storage temperature range	-10 °C to +60 °C
Weight	3,800 g (incl. battery, incl. 2 empty modules)
Dimensions	131 mm x 421 mm x 314 mm (H x W x D)
Display	15.6" widescreen 1920 pixel x 1080 pixel (full-HD) LED backlight
Input	Capacitive touch screen
Processor	Snapdragon 600 E® Qualcomm® Krait™ 300 Quad-Core CPU, 1.7 GHz
Operating system	Linux 32 bits
Internal memory	2 GB LPDDR2 533 MHz
Data memory	32 GB eMMC
Interfaces	2 x USB 2.0 host interface (type A); 1 x USB 2.0 device interface (type B); 1 x docking interface (to docking station); 1 x voltage supply socket
Remote interfaces	WLAN; IEEE 802.11 a/b/g/n/ac; Bluetooth; v 4.2 Class 1
Additions	2 module slots
Power adapter	Input: 100 – 240 V AC, 1.5 A, 50 Hz/60 Hz Output: 15 V DC, 6.67 A
Average battery service life	4 h (operation without modules)
Resolution	14 bits

MT77 MEASUREMENT MODULE	
Sampling rate	65 MSamples/sec
Bandwidth	10 MHz
Memory depth	2 MBytes per channel (1 MSample)
Measurement inputs	2 galvanically separated differential inputs
Maximum voltage	+/-200 V
Measurable sizes	Voltage on channels 1 and 2 Resistance on channel 1 Current through measurement adapter Pressure through measurement adapter
Sweep	2 s/Div – 40 s/Div (5 divisions)
Coupling types	AC and DC
Trigger settings	Channel can be selected Positive/Negative Auto/Normal Auto level/Manual level
Functions	Auto range Auto set
Measurable signal characteristics	Frequency Period duration Pulse width Duty cycle Minimum value Maximum value Maximum peak-to-peak value
Measuring ranges	Voltage: 0.1, 0.5, 1, 2, 5, 10, 20, 30, 100, 200 Volts (current): 1, 2, 5, 10, 20, 50, 100, 200, 500, 700 Ampere (resistance): 10, 100, 1000, 10 k, 100 k, 1000 k Ohm (pressure): -1 to 60 bar

HELLA GUTMANN SOLUTIONS GMBH

Am Krebsbach 2

79241 Ihringen

Tel.: +49 (0) 7668-9900-886

E-Mail: info@hella-gutmann.com

www.hella-gutmann.com

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