MAGNETI MARELLI

PARTS & SERVICES

4.0 INDUSTRY COMPLIANT
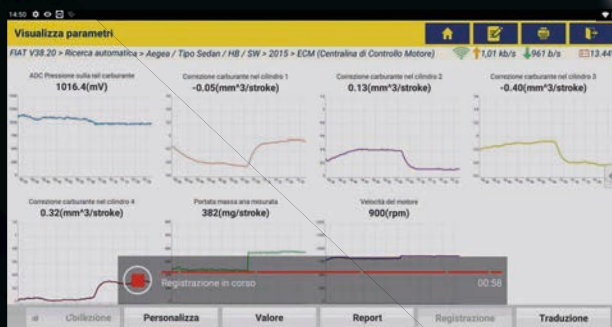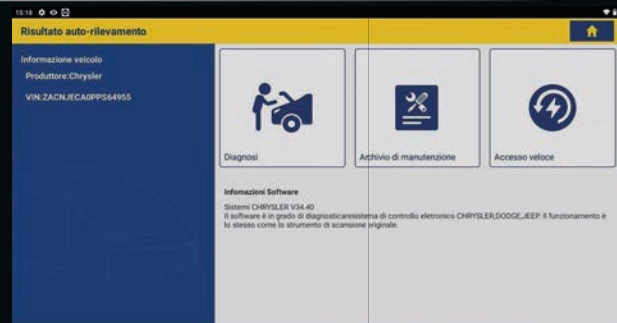
Devices for advanced automotive diagnostics

DESIGNED IN ITALY

Advanced **diagnostics**
in the auto repair shop

Magneti Marelli Parts & Services offers a wide range of equipment for advanced and integrated computer diagnostics, with highly specialised functions that guarantee a high level of services offered by auto repair shops.

Automatic vehicle recognition

The function of automatic vehicle recognition by reading the VIN number, enables identification of v ehicles without manual selection. This reduces access time to diagnostic tools and improves the accuracy of vehicle selection.
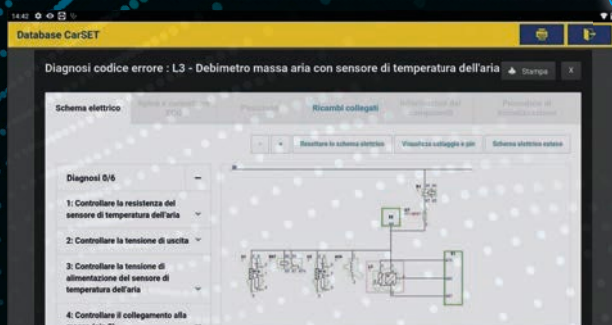
Recording and analysis of parameters

An integrated parameter recording function helps solve occasional problems that may occur under certain driving conditions. All parameters are read from the controllers and can be stored for the future. In addition, with the integrated recovery function, parameters can be analysed for immediate evaluation.

Global diagnostic coverage

Multi-make vehicle diagnostic equipment with one of the most comprehensive databases: approx.
150 manufacturers.

Technical database

Basic support for the work of auto repair shops, allows access to the wiring diagram and targeted diagnosis of the component, starting with fault codes found.
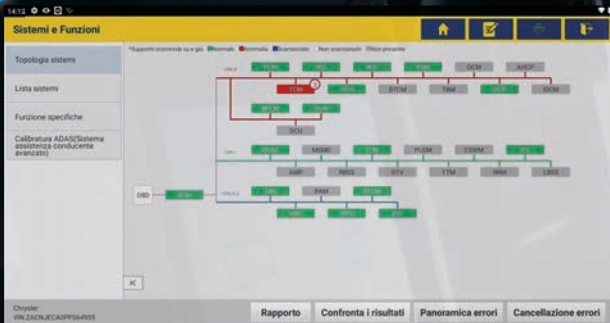
Vehicle ECU recognition

Online connection enables configuring the vehicle's ECU. A quick scan detects the status and descriptions of detected fault codes. Data Plus also provides a diagnostic visualisation of the synoptic view of the vehicle.

Quick functions

The most frequently used functions are always at hand. Actions, such as service reset, coding and component adjustments, for instance, are easily accessible directly from this menu.

FIAT
ALFA ROMEO
LANCIA
ABARTH
JEEP
MASERATI
HYUNDAI
KIA
RENAULT
DACIA
MERCEDES

Cyber security

Unlocked SGW diagnostic gateways for many car makes, including: Fiat, Alfa Romeo, Lancia, Abarth, Jeep, Maserati, Hyundai, Kia, Renault, Dacia, Mercedes. The panel is being consistently updated, depending on the availability of car manufacturers.

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Visual Plus

Tablet **with an excellent display, high-resolution graphics and advanced interface.**

Protection is provided by rugged construction and Gorilla Glass on the display.

Multiple connectors allow simultaneous optimal connection to Data Plus and, independently, to the repair shop's Wi-Fi signal.

The diagnostic report can be **stored and sent by e-mail.**

The Visual Plus open operating system provides the ability to install other applications.

INCLUDED

▶ Visual Plus 13.3" Tablet
▶ AC adapter 220–240 V
▶ Power cable for the lighter socket
▶ Power cable with battery terminals
▶ USB / USB type C cable
▶ Micro HDMI cable

▶

TECHNICAL DATA

▶ Operating system: Android 11 Open
▶ Eight-core 2.0 GHz processor
▶ 13.3" 1920 x 1080 px display
▶ Gorilla Glass protection
▶ 8 GB RAM

▶ 256 GB HD storage
▶ 13 MP rear camera
▶ Dual-band Wi-Fi 2.4 GHz and 5 GHz
▶ Wi-Fi, Bluetooth and USB diagn connection

▶ 71.1 Wh battery (7.6V, 9360 mAh)
▶ Dimensions 353 x 236 x 71

Data*Plus*

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Data Plus

Data Plus is a VCI device that operates in 3 different modes:

1. Multi-make diagnostics, combined Wi-Fi with Visual Plus

2. Pass-Thru diagnosis with Data Plus connected to a Windows 10/11 computer, supported by a Call Center dedicated for the registration of various manufacturers, installation of official diagnostic programs and diagnostic tests in the vehicle

3. Remote diagnostics, in direct connection with a dedicated Call Center that performs the diagnostics required by the customer.

The VCI display allows you to set up a Wi-Fi connection network (with a bandwidth of more than 30 Mbps, preferably optical fibre) or via an Ethernet cable (included). Connections to satellite dishes are not recommended.

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Data Plus diagnostic licence

Includes a multi-make diagnostics licence with a 12-month upgrade period.
Provides a synoptic view of the vehicle and advanced programming/coding functions.

Provides a synoptic view of the vehicle and advanced programming/coding functions.

INCLUDED

▶ VCI Data Plus
▶ 220/240V AC adapter
▶ OBD diagnostic cable
▶ Ethernet cable 15m
▶ USB A / USB B cable

TECHNICAL DATA

▶ 3.97" display
▶ 320 x 480 px touch screen
▶ OS Diagnostics:
• Multiple makes with Visual Plus
• Pass-Thru with a Windows PC
• Remote with Ethernet cable
▶ Pass-Thru with a Windows PC
▶ Remote with Ethernet cable
▶ 8 GB FW memory
▶ 256 MB RAM
▶ USB 2.0 type B / Ethernet connections
▶ 5GHz Wi-Fi
▶ Wi-Fi diagnostic connection
▶ Supply voltage – 9V 36 V DC
▶ Power consumption < 6W
▶ Supported protocols: J2534, DoIP, CA FD, CAN 2.0, RP1210, D-PDU
▶ Dimensions 204 x 110 x 45

Remote diagnostics

Remote diagnostics

The **remote diagnostics** service, which can be per-formed with Data Plus, includes using a chat (on an iOS or Android tablet or smartphone) to commission vehicle diagnostics.
Detailed final report concludes the activity with clear and accurate data.
During diagnostics, a stabilised power source is required, such as the Magneti Marelli Power M120A charger

Makes available

ABARTH, ALFA ROMEO, AUDI, BMW, BMW i, CHEVRO-LET (DAEWOO), CITROËN, DACIA, DODGE, FIAT, FORD, HONDA, HYUNDAI, ISUZU, IVECO, JAGUAR, JEEP, KIA, LAMBORGHINI, LANCIA, LAND ROVER, LOTUS, MASE-RATI, MAZDA, MERCEDES, MINI, NISSAN, OPEL, PEU-GEOT, PIAGGIO, PORSCHE, RENAULT, SEAT, SKODA, SMART, SUBARU, SUZUKI, TOYOTA, VOLKSWAGEN, VOLVO.

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M Credits - 100 tokens

Points that can be purchased to access remote diagnostics functions.

DIAGNOSTIC FUNCTION	M CREDITS
Reading/deleting fault codes memory (DTC)	from 35
Service and maintenance reset (brake pads, service light, recorded maintenance history information)	from 45
Adjustment and basic settings	from 49
ECU replacement or upgrade	from 85
ECU software check	from 60
Immobiliser and component protection (key chip programming, unlocking used ECUs with different chassis)	from 75
Activation of tow bar after installation	from 78
Marelli Tech Gold	from 45

NOTE: PSA Group + 30 M Credits - Volvo/Land Rover + 70 M Credits

Pass-Thru

The Pass-Thru diagnostic service can be started using a Data Plus connected via USB to a Windows 10/11 computer.
A dedicated service for managing registrations for various manufacturers, installing official diagnostic programs and diagnostic tests on the vehicle supports the repair shop in Pass-Thru diagnostics.

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Pass-Thru subscription

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Annual renewal of Pass-Thru service

Available modules

007935200015 FCA module
007935200060 MERCEDES-BENZ e SMART module
007935200115 BMW e MINI module
007935200055 TOYOTA and LEXUS module
007935200110 Gruppo VAG module
007935200025 GeKo Gruppo VAG module
007935200035 PSA and OPEL/CHEVROLET module
007935200040 FORD e VOLVO module
007935200045 HYUNDAI and KIA module
007935200165 MITSUBISHI module
007935200120 RENAULT module
007935200050 LAND ROVER e JAGUAR* module
007935200155 LOTUS module

* * LAND ROVER and JAGUAR require a PC with Windows 7 operating system

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PC Pass-Thru subscription

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Power M120

A 120 amp power supply, necessary to ensure proper power supply to the vehicle during remote diagnostics, or Pass-Thru.

TECHNICAL DATA

▶ Adjustable voltage from 12 to 14.8V

▶ Maximum supply current 10 – 120A

▶ 5-metre Ø 25 mm2 cables with professional terminals

Data*Box*

TECHNICAL DATA

▶ Multi-make OS Android diagnostics >=9
   USB 2.0 type C connections
▶ Bluetooth
▶ Supply voltage 9V 18V DC
▶ Supported protocols: CAN FD, CAN 2.0,
   RP1210, D-PDU
▶ Dimensions 118 x 69 x 32

INCLUDED

▶ VCI Data Box
▶ 220 – 240 V AC adapter
▶ OBD diagnostic cable
▶ USB A / USB C cable

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Data Box

The Data Box, in combination with the Visual Plus or another Android tablet (see below for minimum requirements), enables multi-vehicle diagnostics. Connections via USB or Bluetooth provide a flexible and reliable interface. 3 RGB LEDs illuminate the power supply, vehicle communication and Data Box connection type.

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Data Box diagnostic licence

Includes a multi-make diagnostics licence with a 12-month upgrade period.

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Rugged industrial 10'' table

Minimum requirements: Android tablet

▶ 10" 1920x1080 px display
   Touch screen
▶ 64 GB HD ROM
▶ 4 GB RAM

▶ Bluetooth 4.1
▶ Android 9 Pie operating system
▶ Octa-core 1.8G Hz processor

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Database licence

The database, which can be enabled in Data Plus for multiple makes and Data Box, offers instant access to a wide range of technical service bulletins (TSBs), as well as a link to fault codes and related case descriptions. In addition, it includes solutions and recommendations, as well as guided diagnostics.

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EV battery diagnostics

The practical electric car diagnostic kit case offers more than 95% coverage and includes 25 adapters, a 12V, 5A power supply to connect to a high-voltage battery as well as general purpose cables.

Battery diagnostic methods

Supports various methods of battery diagnostics:
- ✓ using an adapter
- ✓ using the OBD port
- ✓ using a jumper cable

Battery information

It quickly reads out information about the battery group:

- ✓ number of modules
- ✓ SOC (state of charge)
- ✓ SOH (state of health)
- ✓ temperature and voltage of individual cells
- ✓ temperature of each module

Includes batteries from the following manufacturers: AISHUN, BYD, CALB, CATL, COLIGHT, E-POW, GUOXUAN, RN TECH, SVOLT, ecc.

Range of electric vehicle makes:
AUDI, BAIC NEW ENERGY, BMW, BYD, CHERY NEW ENERGY, FCA, FORD, GM, LEAP MOTORS, LIXIANG, MERCEDES, NEZHA NEW ENERGY, NIO, ROEWE NEW ENERGY, SEAT, SKODA, TESLA, VW, XIAOPENG MOTORS, itd.

Streaming battery data transmission

Streaming battery data transmission helps identify problems and increase repair efficiency.

Diagnostic report

The battery diagnostic report can be printed and sent by e-mail.

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TESLA DIAG

Cable kit with licence for Tesla diagnostic software.

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ANNUAL SUBSCRIPTION TESLA DIAG

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4-channel oscilloscope

Visual Plus enables the integration of a professional 4-channel automotive oscilloscope. With this module, vehicle signals can be displayed, captured and analysed. This analysis can be used to detect various issues, for sensors, actuators and circuits.

In addition, with Data Plus or Data Box diagnostics, it is possible to simultaneously display diagnostic functions with the obtained waveforms, allowing for quicker and more integrated diagnostics.

TECHNICAL DATA

- ▶ 100 MHz bandwidth
- ▶ 1Input impedance
- ▶ 11MΩ ± 1.5%
- ▶ 1Memory depth 50 M for 4 channels
- ▶ 1Sampling 1 GB for 4 channels
- ▶ 1Vertical resolution 8-bit
- ▶ 1Vertical scale 5 mV – 10 V
- ▶ 1Time base 50 ns – 1 ks

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Measurement module for oscilloscope

An indispensable supplement for precise measurements of electrical signals in vehicles.

▶ **65 A current clamps**

DC/AC frequency range up to 20 kHz

Measuring range 20 mA to 65 A DC

Maximum wire size 9 mm

▶ **650 A current clamps**

Zakres częstotliwości DC/AC do 400 Hz

Zakres pomiarowy 20 mA do 650 A DC

▶ **A series of cables designed specifically for automotive measurements**

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Signal generator

The generator is specially designed for diagnostics and simulation of sensor faults.

Includes: Sensor, activator, defined/designed, time waveform and universal meter.

The module is an accessory and requires interfacing with a 4-channel oscilloscope for complete and accurate diagnostics.

TECHNICAL DATA

- ▶ 2-channel signal generator
- ▶ Accuracy ± 1%
- ▶ Amplitude range from 0 V to 20 V
- ▶ Current output max. 20 m A
- ▶ Frequency range 0 – 20 kHz
- ▶ Waveform simulation
- ▶ 2-channel universal meter

Marelli diagnostic series

	Visual Plus i Data Plus	Data Plus	Data Box	Div.O
DIAGNOSTICS Multiple makes ➤	● (1)	x	● (3)	●
Remote ➤	●	●	x	x
Pass-Thru ➤	● (2)	●	x	

| **Unlocked manufacturers** | FIAT, ALFA ROMEO, LANCIA, ABARTH, JEEP, MASERATI, HYUNDAI, KIA RENAULT, DACIA, MERCEDES The makes panel is constantly updated | Not required in remote diagnostics In Pass-Thru diagnostics, if required by the manufacturer | FIAT, ALFA ROMEO, LANCIA, ABARTH, JEEP, MASERATI, HYUNDAI, KIA, RENAULT, DACIA, MERCEDES The makes panel is constantly updated | FIAT, ALFA ROMEO, LANCIA, ABARTH, JEEP The makes panel is constantly updated |

(1) Includes advanced coding/programming function (e.g., ECU replacement)
(2) Requires a Windows 10/11 PC for Pass-Thru diagnostics
(3) Multi-make diagnostics with installation on Visual Plus or other Android tablets

CODE	DESCRIPTION
007937000000	VISUAL PLUS
007937000005	DATA PLUS
007937000010	DATA BOX
007937000015	EV BATTERY DIAGNOSTICS
007937000020	TESLA DIAG
007937000110	TESLA DIAG ANNUAL SUBSCRIPTION
007937000025	4-CHANNEL OSCILLOSCOPE
007937000030	MEASUREMENT MODULE FOR OSCILLOSCOPE
007937000035	SIGNAL GENERATOR
007937000040	DATA BOX DIAGNOSTIC LICENCE
007937000045	DATA PLUS DIAGNOSTIC LICENCE
007937000050	INTEGRATION +12 MONTHS DATA PLUS

CODE	DESCRIPTION
007937000055	INTEGRATION +24 MONTHS DATA PLUS
007937000060	INTEGRATION +12 MONTHS DATA BOX
007937000065	INTEGRATION +24 MONTHS DATA BOX
007937000070	DATA PLUS ANNUAL SUBSCRIPTION
007937000075	DATA BOX ANNUAL SUBSCRIPTION
007937000180	SGW FCA/MASERATI ANNUAL SUBSCRIPTION
007937000085	10 RENAULT UNLOCK TOKENS
007937000090	ONE-YEAR SUBSCRIPTION FOR MERCEDES UNLOCK
007937000095	DATA BANK LICENCE
007937000100	DATA BANK ANNUAL SUBSCRIPTION
007937000170	M CREDITS 100 TOKENS

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