AUTODIAGNOSTICS

EQUIPMENTS & SOLUTIONS FOR GARAGE

SINTESYS

THE ENHANCED AND PROFESSIONAL AUTODIAGNOSIS

SMART MODULE

SMART AND FLEXIBLE AUTODIAGNOSIS

OBD READER

POWERFUL EOBD/OBD-II DIAGNOSIS

OTC EUROPE

SINTESYS 4130OTC - 4130LXOTC

Sintesys is a multi-functional and multi-brand scan tool for motor vehicles autodiagnostics for professional service workshop.

- Serial diagnosis and maintenance unit for motor vehicles
- Palm-held instrument, T-shaped, for perfect grip
- Multitasking operating system (i.e. the possibility of using a number of programmes at the same time)
- High speed communication with the vehicle and data processing
- Slot for compact flash memory, with expandable storage capacity over time
- Ergonomic ultra-resistant rubber handles and support strap
- LCD display with TFT technology, size 5.7″, back-lit, for perfect visibility, even in conditions of full sunlight
- ECUdecoder™ diagnosis programme and documentation

TECHNICAL FEATURES

- Multitasking operating system (using several programs at a time)
- High rate of communication and data processing thanks to state-of-the-art development technology
- Slot for compact flash memory, storing capacity to be upgraded over time

KIT SINTESYS 4130LXOTC

- Sintesys 4130LXOTC, with back-lit TFT technology LCD display
- Case in shockproof structure, with pockets for accessories
- Supply cable from car battery (3.5 m)
- ECUdecoder™ universal cable 2 m long
- Supply/battery charger from 100-240VAC 50-60Hz mains
- Operating manual in ITA/ENG
- Cd-rom documentation with manuals and multi-languages brochure (ITA/GB/FRA/DEU/ESP/POR)

OPTIONALS

- LCD Display with TFT technology, dimensions 5.7’’, for data perfect visibility even in sunlight (for 4130OTC)
- Autodiagnostics cables kit for cars, motor cycles and commercial vehicles
- Multimeter and Scope kit
- ECUdat@car technical data software

TECHNICAL SPECIFICATIONS

Supply	**1-** From mains with supply/battery charger from 100-240V_{AC} 50-60Hz mains **2-** From vehicle battery 12-32 Volt **3-** NiMH 8.4V2000mAh battery
Max. consumption	8W
Display	**1-** LCD with colour graphics (11.5x9 cm) resolution 320 x 240 pixel **2-** on 4130LX/4180LX: Display with TFT back-lit technology **3-** on 4130: Display with STN technology
Case	· Shockproof structure with injection moulding, wear resistant · 15 key keyboard, dust-proof, water and grease resistant
Input/output	· Jack connector for external supply/battery charger · USB - HOST (e.g. printer) · USB - DEVICE (e.g.: PC) · RS-232 standard serial port on RJ45 connector · Compact Flash slot · Smart Card slot · VGA output for connection to monitor
ECUdecoder™	On annual subscription, with scheduled updates / Unlimited use and purchase of updates
Standards	The instrument supports the Manufacturers’ Diagnosis, and meets the ISO DIS 15031-4 standard and the ISO 9141 - ISO 14230 (KWP2000) - ISO 15765 (CAN) - ISO 11519 (SAE J1850) standards
Operating conditions	Temperature 0÷45°C / Humidity 20÷55%
Dimensions	195 x 275 x 65 mm
Weight	1,140 Kg

SMART MODULE 5041OTC

- Car and bike diagnosis: the 5041OTC is a powerful diagnostic instrument, designed to connect the central processor (ECU) of cars, motor-cycles to any fixed, portable, or tablet touch screen PC.
- Maximum flexibility and multiple operating systems: the 5041OTC Smart Module is completely independent from any Microsoft Windows operating system.
- Diagnosis on the road: the data can be recorded during the road test and then displayed on the PC thanks to the Flight Data Recorder function.
- Wireless: the Smart Module is not only provided with RS232 and USB communication, but can also be connected to the PC in Wireless mode (without cable), by means of Wi-Fi or Bluetooth protocols.

TECHNICAL FEATURES

- Motorbikes, Cars autodiagnostics
- Via radio data transmission
- Multiple operating systems
- “Flight Recorder” function
- Data memorization
- User’s friendly on road test
- Memory capacity

KIT SMART MODULE 5041OTC

- Smart Module 5041OTC
- Case in shockproof structure, with pockets for accessories
- Supply cable from car battery
- ECUdecoder™ universal cable 2m long
- Mains supply/battery charging
- ITA/ENG operating manual
- Cd-rom documentation with multi-languages manuals and brochure (ITA/GB/FRA/DEU/ESP/POR)

OPTIONALS

- Serial cable RS232 null-modem
- Cigar lighter socket power cord i
- Car/moto (code 31174F) autodiagnostic cables kit – only with autodiagnostic software, after Smart Card activation

Supply	• From mains with supply /battery charging from 100-240V_{AC} 50-60Hz mains • From vehicle battery 8-42 Volt • NiMH 4.8V 2000mAh battery
Consumption	2,5W in normal conditions, 15W maximum
Input/output	• Connector for ECUdecoder™ cable • Jack connector for external supply/battery charger • USB - DEVICE for PC connection • RS-232 standard serial port • Compact Flash slot • Smart Card slot • Wireless facility (Bluetooth or Wi-Fi) for connection to PC
Case	• Shock proof structure, water resistant • Simple 2 key keyboard (switch on and bookmark through Flight Recorder) • 3 operating status leds (supply, communication with vehicle, communication with PC)
Standards	The instrument supports the Manufacturers diagnosis, meets the ISO DIS 15031-4 standard and the ISO 9141 - ISO 14230 (KWP2000) - ISO 15765 (CAN) - ISO 11519 (SAE J1850) standards
Operating conditions	0÷40°C / Humudity 20÷55%
Dimensions	195x140x45 mm
Weight	700 g

OBD READER 5042OTC

The OBDreader is a powerful EOBD/OBD-II diagnostic instrument, light and compact.
It is equipped with an LCD display that enables the diagnostic procedures to be read easily. The OBDreader is able to carry out a detailed EOBD (European On Board Diagnosis), according to European Directive 98/69/EC for the control of emissions, available on all petrol vehicles registered from 2001 and for diesels from 2006 (vehicles of European, Asian, and American manufacture).
The OBDreader is easily updated with SMARTreader serial diagnostic software, for complete diagnosis of every device on board the vehicle (Engine, Airbag, ABS, Air-conditioning, Code, Body computer, CAN line, etc...). This means that it can be used like a Smart Module 5041, after connection to a PC (Laptop or fixed computer).
Moreover it can operate in Flight Recorder mode.

TECHNICAL FEATURES

- Monochromatic, LED backlit graphic LCD display (128x64 pixel)
- USB 1.1 port and RS232 serial port for PC connection
- Wireless option for PC connection (Bluetooth or Wi-Fi)
- 3 working status leds (Power supply, car communication, PC communication)
- Anti-shock structure in thermoformed material, dust-, water- and grease-resistant

KIT OBD READER 5042OTC

- OBDreader 5042OTC
- Shock-resistant case (double wall) with accessories pockets
- USB cable
- EOBD standard connector + 2 mt extension cord
- Mains supply unit 230VAC - 12 VDC, 1200mA
- Operative Manual

OPTIONALS

- Battery cable with sheathing mt 3,4
- Serial cable RS232 null-modem
- Electric lighter socket power supply cable
- Auto- diagnostics cables complete Kit for car/motorcycle (code 31174F) exclusively with auto- diagnostics software, after activation with Smart Card

TECHNICAL SPECIFICATIONS

Supply	· From mains with supply/battery charging from 100-240V_Ac 50-60Hz mains · From vehicle battery 8-42 Volt · NiMH 4.8V 2000mAh battery
Consumption	2.5W in normal conditions, 15W maximum
Input/output	· Connector for ECUdecoder™ cable · Jack connector for external supply/battery charger · USB - DEVICE for PC connection · RS-232 standard serial port · Compact Flash slot · Smart Card slot · Wireless facility (Bluetooth or Wi-Fi) for connection to PC
Case	· Shock proof structure, water resistant · Simple 2 key keyboard (switch on and bookmark through Flight Recorder) · 3 operating status leds (supply, communication with vehicle, communication with PC)
Display	LCD graphic monochrome back-lit display (128 x 64 pixels)
Standards	The instrument supports the Manufacturers diagnosis, meets the ISO DIS 15031-4 standard and the ISO 9141 - ISO 14230 (KWP2000) - ISO 15765 (CAN) - ISO 11519 (SAE J1850) standards
Operating conditions	0÷40°C / Humudity 20÷55%
Dimensions	195x140x45 mm
Weight	700 g

FLIGHT RECORDER - FR50

- Recording of all the fault codes and the parameters chosen
- No limit to the number of parameters chosen
- About 50-200 hours of recording with CF of only 256MB (compressed data) – display parameters, speed, errors, etc...
- Use of bookmark for quick search of the defects of the vehicle during the recording hours (manual depression of *Rec* key, sporadic errors, passing of thresholds)
- Maximum simplicity of use - FR is a function of the diagnosis
- Data transfer via SM, from PC or from CF

BLUETOOTH KIT- BT 50
WI-FI KIT - WF 50

Diagnostics without cable between PC and Smart Module
Up to 50m distance covered (with Wi-Fi) and 20m (with Bluetooth)

PORTABLE THERMAL PRINTER - 4169

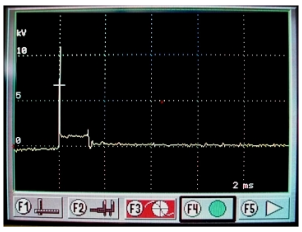
- Serial cable for 4130OTC
- Serial cable for Smart Module 5041OTC / 5042OTC
- Printing of diagnostic parameters
- Simple fast configuration
- Supplied by rechargeable battery

GAS MODULE - 3780

Thanks to the modular technology of the Sintesys, it is possible to connect a gas analysis module into the back of the diagnostic equipment. This can be very useful for carrying out diagnosis on exhaust gas emitted by vehicles. In fact measurement of the 5-gas (CO, CO2, HC, O2, NO) can be compared to the analysis of human blood, and is therefore necessary in all the cases in which the engine central processor is not able to reveal the fault.

SCOPE MODULE - 3790

Thanks to the modular technology of the Sintesys, it is possible to connect an oscilloscope module into the back of the Sintesys. In this way Sintesys Scope becomes a powerful 4 channel oscilloscope provided with all the functions needed to analyse the most complicated vehicles.
The software also provides all the key elements for translating the most complicated signals into information used to repair and replace the faulty components.



MULTIMETER (V, A, Ω) AND ONE CHANNEL SCOPE - 31230P (FOR PRIMARY AND SECONDARY)

- User manual
- Coaxial cable (Ω,V) / Contact probe
- Ground cable
- Ammeter clip-on
- Capacitive clip (KV probe)
- Wave-form library

Authorized distributor

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