



THE diagnostic COLLECTION



FEATURED PRODUCTS

VAG COM Pro

Pico Scope

Carman Scan Lite

Launch X431 GDS

Carman Scan VCI

Carman Scan AT

Hella Mega Macs 42

Delphi DS150

Delphi DS350

Premier Emission Analysers

GLASGOW 0141 271 7400

ASHTON 01942 408658

www.geservices.co.uk

VAG COM PRO

VAG-COM is a Windows based piece of software that turns your PC into a sophisticated diagnostic tool, capable of diagnosing VW, Audi, Seat and Skoda vehicles.

VAG-COM is a world renowned software package that enables you to carry out all the functions of dealer testers and more expensive aftermarket tools.

Why Buy VAG-COM?

Covers Latest CANBUS Vehicles · Virtually OE Level Software
Coding - Adaptation Features · Easy to Use · Low Cost Solution

VAG-COM connects to your PC via the USB port. Once connected, your PC, or laptop, becomes a sophisticated VW/Audi diagnostic tool which performs the functions of a factory VAG-1551 or VAG-1552 scan tool.

As long as your PC is running a Windows 98 or later operating system, has at least a Pentium 100MHz processor (recommended) and 16MB of RAM, VAG-COM is all you need.

VAG-COM is the first aftermarket VAG-Tool that:

Has a database of more than 7000 fault codes and measuring-block texts
Allows you to view, log and graph 3 groups of Measuring Blocks at once
Can access all control modules which require proprietary VAG modes running the new KWP-2000 protocols (2001+ Teves Mk.60 ABS, numerous 2002+ modules)
Can display critical timing information on TDI engines in graphic form

VAG COM Pro

The VAG-COM Pro kit includes everything above, but also includes:
OBD lead · 2+2 cable · User manual · 3m extension cable
14pin LPT cable · Storage box



BEST BUYS

£319

**ALL ACCOMPLISHED DIAGNOSTIC TECH'S USE ONE OF THESE.
DO YOU HAVE ONE?**

Battery Support Unit - The GYS Inverter 70 will sustain the vehicle electrical system during diagnostic work, instantaneously supplying up to 70Amps as required to ensure that a constant voltage level is maintained preventing damage to sensitive electronics and disruption to the diagnostic process.



**A MUST FOR
MODERN
VEHICLE
DIAGNOSTIC
TESTING**

**SEE PAGE 15
FOR DETAILS**

PICO SCOPE



PicoScope Diagnostics
Market leading, PC based
Oscilloscope
Affordable & easy to use

To diagnose faults in the increasing number of sensors, actuators and electronic circuits in today's vehicles, you need more than just a fault code reader. The Pico Automotive Diagnostics Scope Kit, together with the PicoScope Automotive software, allows you to pinpoint faults without relying on fault codes.



BEST BUYS

£1395

Available with a two or four channel oscilloscope, the kit turns any PC or laptop with a USB port into a powerful automotive diagnostics tool.

- 2 and 4 channel versions available
- 32MB memory
- Connected to and powered by USB 2.0
- Lifetime technical support
- 12-bit resolution
- Up to 80MS/s sample rate
- Free software upgrades

The kit can be used either in the workshop or on the road to test and measure virtually all of the electrical and electronic components and circuits found in the modern vehicle, including:

- Ignition (Primary & Secondary)
- Starter & Charging Circuits
- Lambda, Airflow, Knock & MAP Sensors
- Relative Compression Tests
- Injectors & Fuel Pumps
- ABS Sensors, Crank & Cam Sensors
- Glow Plugs / Timer Relays
- CAN bus and LIN bus

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DIAGNOSTIC
TESTING**

**SEE PAGE 15
FOR DETAILS**

CARMAN SCAN LITE

CARMAN SCAN

The Carman Scan Lite is a high quality, premium brand, hand held, Asian vehicle diagnostic scan tester with the addition of European, American and Australian software.

SPECIFICATION

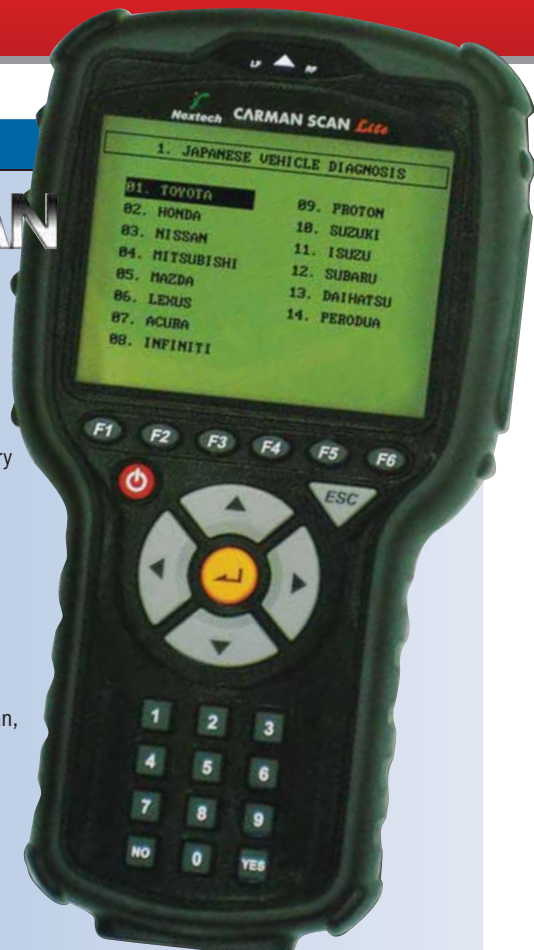
- Compact hand held tester 256Mb built in memory
- LCD backlight 320 x 240 resolution 40 columns x 12 lines
- OBD-11, KWP-2000, SAE-J1587 Compatibility
- Canbus ready
- Internal battery .

FEATURES

- Pictorial & text diagnostic socket location
- Large range and depth of software for Korea, Asian, European, USA & Australian Vehicles.
- Menu vehicle selection, auto ECU scan, General search

SCAN FUNCTIONS

- EMS, Airbag, ABS, Body control, Dashboard, Chassis, Comfort, Immobiliser, Diesel, etc
- Self diagnosis, fault code read, store and clear
- Live data display, digital, graphic, min & max & store
- Actuator test and activation
- Flight record
- Service light reset, warning light reset, Coding and adaptation.



BEST BUYS

£1895

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DIAGNOSTIC
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**SEE PAGE 15
FOR DETAILS**

LAUNCH X431 MASTER



The X-431 GDS is the latest pioneering development from Launch Tech UK and is set to take the diagnostic world by storm. With features including Windows embedded operating system, 7" TFT HD colour touch screen, temperature range of -100 C to 550C. The Launch GDS is one of the most effective and sophisticated tools in the diagnostics market.

Features of Launch GDS

- Fast Diagnostic speed
- One key upgrade
- Robust industrial application design
- Access to database by WiFi
- Full colour screen
- User friendly application interface
- Compliant with projector
- Extendable to more function modules
- Software 1 year free upgrade
- Now has a 10.8V-40V operating voltage capability added to work with different kind of batteries and limits power surges damaging the X431 Master unit

Launch GDS contains

- Main unit · Smart OBD II – 16 diagnostic connector and cable · Power adapter
- Printer paper · Touch screen stylus · User manual · SW & HW packaging list

Optional extra's including:

- Non 16pin connector (as with current X431 diagun) · Workshop Stand
- Autodata vehicle information system · Cable set auto test aid

Specifications:

- Windows embedded standard OS · 7" TFT high definition colour touch screen
- 32bits CPU · Hard disk capacity:8G · Wi-Fi and LAN · 2 USB ports
- Main unit power supply:DC14V · Suitable for 12V and 24V vehicles
- Working temperature:-10°C ~ 55°C

BEST BUYS

£2495



INCLUDES 3YR SUBSCRIPTION

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**SEE PAGE 15
FOR DETAILS**

CARMAN SCAN VCI

The Carman Scan VCI is an interface for use with a PC or laptop. It offer a fantastic range of diagnostic capabilities on Asian, European, American and Australian vehicles.

VCI interface for use with a PC or Laptop Asian, European, American and Australian software. Can be used through Bluetooth or hard wired Menu selection or auto search. Operates with all protocols including Canbus. Great graphics with intuitive icon use Read and clear fault codes. Current data with min / max and graphing. Actuator operation and real time check. Comes with Korean and Japanese pre OBD connector kit

Scan Functions

EMS, Airbag, ABS, Body control, Dashboard, Chassis, Comfort, Immobiliser,, Diesel, etc Self diagnosis, fault code read, store and clear. Live data display, digital, graphic, min & max & store Actuator test and activation Flight record. Service light reset, warning light reset, Coding and adaptat

Software

Near OE software for Hyundai / Kia
Near OE level on Asian applications
Additional software, European, USA, Australian
Update via internet
No time out software
No software "catch up" charges



BEST BUYS

£1495

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**SEE PAGE 15
FOR DETAILS**

CARMAN SCAN AT

The Best Has Just Got Better !

Truly the very best Asian tester on the market including OE software for Korean vehicles.

A rugged tablet style handheld diagnostic tester with an amazingly quick operating system. The full colour screen offers excellent graphics in all lights. Huge application list of Asian, European, American & Australian vehicles now with Asian truck applications.

- Huge application list, Asian, European, American, Australian
- Car, Van & Asian Truck, 12v & 24v
- Includes 2 years software
- Operates with all protocols including canbus
- Intuitive navigation and easy to use
- Diagnostic socket locations
- Menu selection & Auto search system
- Fault code read & clear
- Live data & one hour flight record capability
- Actuator operation and coding
- Graphing functions
- Comes complete with Asian pre OBD connectors
- 2 years warranty
- Optional truck and European adapters
- Windows CE5.0 operating system
- 5.7" Full colour LED touch screen
- 8GB of memory capacity
- Lithium Polymer internal battery with 5hrs life
- 12v or 24v power supply
- Compatible with 64 bit operating systems
- Faster updating speeds



BEST BUYS

£1995

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**SEE PAGE 15
FOR DETAILS**

MEGA MACS 42

Small and medium-sized workshops with a considerable high amount of brands and vehicles of any age receive valuable support with mega macs 42. This handy tester is the ultimate tool for quick used car valuation and precise diagnostics of all important vehicle systems. Using parameters facilitates the search for sources of defects, displays all necessary values numerically and graphically and delivers detailed manufacturer explanations. The profitable HGS Plus hiring model of mega macs 42 gives you more flexibility in financial matters so that you need not to draw on savings and you are not bound to long-term contracts. Aside from that you can rely on excellent diagnostic technology from the market leader in multi-brand diagnostics.

Scope of functions:

- Reading/interpreting/deleting fault codes
- Parameters
- Actuator tests
- Basic settings (e.g. steering-angle sensors, xenon light, deleting learned values)
- Codings (e.g. unlocking the trailer hitch, learning ECUs, version codings)
- Service resets

Mega macs 42 does not simply show fault codes with numbers but also delivers additional information about the component function, effects of a fault and above all possible reasons. This helps locating a fault systematically, precisely and fast.

Survey of applications

- Quick and simple fault code readout
- Detailed fault analysis
- Additional information about the fault code with function, effect and reason
- Numerical and graphic parameter depiction
- Easy operation with few keys
- No tricky supplementary functions
- Internal batteries
- USB and Bluetooth connection



BEST BUYS

£2400

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**SEE PAGE 15
FOR DETAILS**

MEGA MACS 50

Mega macs 50 is your compact all round tool for the quick identification of fault reasons, for ECU communication and for easy signal measurement. Regardless whether you use the tester in an independent workshop offering several brands, or if you use it as mobile tool in a car dealership. Mega macs 50 contributes to the efficiency and profitability of a workshop.

After having selected the vehicle and the ECU system, mega macs 50 supplies the following functions:

- Fault codes (reading/interpreting/deleting)
- Parameters
- Actuator tests
- Basic settings
- Codings
- Service resets

Parameters are the optimal addition for diagnostic procedures. Parameters help recognising both individual and interdependent values as well as the problems arising from this constellation. They are displayed not only numerically but also graphically. Therefore, you can easily recognise changes in time as well as shiftings between nominal and actual values. This tool now enables profound troubleshooting on modern vehicles. One example for this complex development is the CAN bus system used in more and more cars, because normal signals cannot be measured on this data bus any longer.

Survey of applications

- Quick and simple fault code readout
- Detailed fault analysis
- Additional information about the fault code with function, effect and reason
- Numerical and graphic parameter depiction
- Easy signal measurement
- Fast 2-channel multimeter with graphic depiction
- Voltage, resistance and current measurement (400 A amps clamp as an option)
- Easy operation with few keys
- No tricky supplementary functions
- Internal batteries
- USB and Bluetooth connection



BEST BUYS

£3600

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DIAGNOSTIC
TESTING**

**SEE PAGE 15
FOR DETAILS**

DELPHI DS150

Delphi DS150

Delphi is one of the world's leading suppliers of automotive technologies, for original equipment and aftermarket applications.

The Delphi DS range of diagnostic testers have unbeatable software with over 27,000 vehicle systems on over 45 vehicle manufacturers, all backed up by OE manufacturing and specialist knowledge in petrol and diesel electronics.

Great all makes diagnostic tester Covers European & Asian vehicles to current date. Huge application list with in-depth testing. Fault codes, live data, actuator operation & coding. Comprehensive range of servicing modes/resets Bluetooth communication to interface. Works with any laptop or PC Free Manufacturer user training. No time out and no catch up on software



SOFTWARE FUNCTIONALITY AND COVERAGE

Car and LCV Software

OBD and EOBD serial diagnosis · Service light reset
Read and erase fault codes for all systems:
Petrol & Diesel Engine Management · ABS · Instrument Panel
Climate Control · Gearbox · Immobiliser · SRS
Multifunction (Central Body, Central Locking, Convenience Systems,
Chassis, Infotainment, Lights, Navigation, Seats, TPMS etc -
Vehicle Specific)

Look at live data, graphing and saving of live data · ECU coding / Parameter adjustments / Component configuration · Component activation · Intelligent System Scan - Complete scan of all ECU / ECMs on the vehicle platform, configurable by system · Full Vehicle Information Tree - Allowing vehicle specific check of OBD functionality without being connected to a vehicle · Customer Reporting System · Direct Linking to Delphi Technical Data

BEST BUYS

£1645

**INCLUDES 1YR
SUBSCRIPTION**
3 year
Subscription
Available

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TESTING**

**SEE PAGE 15
FOR DETAILS**

DELPHI DS350

The DS350 has all the great features of the DS150, but in addition comes with a convertible Bluetooth laptop that can be used in Laptop or Tablet mode.

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The Delphi DS range of diagnostic testers have unbeatable software with over 27,000 vehicle systems on over 45 vehicle manufacturers, all backed up by OE manufacturing and specialist knowledge in petrol and diesel electronics.

Covers European & Asian vehicles to current date. Huge application list with in-depth testing. Fault codes, live data, actuator operation & coding. Comprehensive range of servicing, modes/resets. Bluetooth communication to interface. Works with any laptop or PC. Free Manufacturer user training. No time out and no catch up on software

Rugged design for workshop use

Convertible PC from Laptop to Tablet

USB CD drive

Dust and splash proof

10.1" Colour TFT, LED backlit screen, with a resolution of 1366 x 768 pixels.

8.5 hrs of battery life (typical usage time)

160Gb Hard Drive

1Gb DDR2 RAM

Built in Bluetooth, Speakers & 1.3 Megapixel Swivel Webcam

2 x USB ports

Integrated 3 in 1 SMR card reader



BEST BUYS

£2995

**INCLUDES 1YR
SUBSCRIPTION**
3 Year
Subscription
Available

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DIAGNOSTIC
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**SEE PAGE 15
FOR DETAILS**

PREMIER COMBINATION GAS & SMOKE ANALYSER



COMBINED GAS & SMOKE ANALYSER



- Petrol and diesel vehicle testing
- Fast test routines for increased productivity.
- Unique RPM Measurement device speeds connection to the vehicle
- IBM compatible PC platform for fast processing of information
- Every MOT test is stored to the hard drive for instant retrieval
- high quality filtration to ensure reliability
- Fitted with the Andros sample bench which is world renowned for accuracy and reliability
- Flexibility to run your own programmes rugged design

DS2 SMOKEHEAD FEATURES

- Fast pass, Simple to use, speed up your smoke testing times
- Remote operation, up to 100m from base station
- Operates down to -15C in all weather conditions
- Automatic Calibration with every test.
- No more filters to lose or break
- DS2 Smokehead weighs only 5kg

5 YEAR PLAN

Warranty, Calibrations, Vosa Updates

BEST BUYS

£4995

BEST BUYS

£7980

DS2 DIESEL SMOKE METER

Fleet operators, service workshops and roadside testing agencies will benefit from the DS2 Smokemeter accuracy, reliability, unique portability and ease of use.

The DS2 is designed and engineered to cater for all types of diesel engined vehicles and plant.

British built to the highest standards for reliability, designed to cope with the rigors of the demanding MOT Bay.

VERTICAL STACK
TRUCK OPTION AVAILABLE



BEST BUYS

£3295

DS2 ROADSIDE DIESEL SMOKE METER

Designed for business truly "On-the-Move". The model DS2R contains everything you need for mobile operations. The unit will run continuously for approx. 6.5 hours WITHOUT recharging from a standard 12 volt car battery. Using our unique technology, this Cable-Less system is the perfect answer for mobile use and is U.K. accredited for both car & commercial vehicles.

VERTICAL STACK
TRUCK OPTION AVAILABLE



BEST BUYS

£3295

DS2 DESKTOP DIESEL SMOKE METER

Designed for workshops requiring space saving innovation. The compact Desk Top "Base Station" incorporates Hand Set Charging, Keyboard, Smart Card Port and Radio Communications. The Smokehead can be positioned at any convenient point in the workshop. The fully Cable-Less system offers the ultimate in flexibility and is fully accredited for both car and commercial vehicles.

THE DS2D VERSION CONSISTS OF:
DS2 Base Station incorporating Handset Charging, Printer, Keyboard, Smart card Port and Radio Communications
DS2 Cable-Less Smokehead with vehicle Sample Probe and Docking Station
DS2 Cable-Less Oil Temperature Device with Standard Car Probe



BEST BUYS

£2495

GYS BATTERY CHARGERS - BOOSTERS STARTERS & TESTERS

PROFESSIONAL BATTERY CHARGERS

Batium - Microprocessor controlled advanced battery charger



 **MADE IN FRANCE**

SPECIFICATION	BATIUM 7/12	BATIUM 15/12
LEAD ACID	✓	✓
GEL	✓	✓
SILVER/CALCIUM	✓	✓
AGM/EFB	✓	✓
START STOP	✓	✓
VOLTAGE	6V/12V	6V/12V
MAX AH BATTERY	130Ah	225Ah
PROTECTION FOR THE VEHICLE	✓	✓
SAFE TO USE ON THE VEHICLE	✓	✓
DE-SULPHATION PROGRAMME	✗	✓

BATTERY TESTER

BT 501 - Electronic Battery Tester



- Fast and accurate battery tester with integrated printer
- For 6V & 12V liquid and gel batteries from 7Ah to 230Ah
- No need to disconnect battery from the vehicle
- Test every battery in your workshop in seconds
- Printout to give to customers

PROFESSIONAL BOOSTER PACKS



 **MADE IN FRANCE**

SPECIFICATION	GVSPACK 810	GVSPACK PRO 12.24
VOLTAGE	12V	12V/24V
PEAK CURRENT	3100A	6200A/3100A
CRANKING CURRENT	1400A	2400A/2250A
STARTING CURRENT	800A	1200A/1300A
POLARITY PROTECTION	✓	✓
CABLE LENGTH	2x1.8m/35mm ²	2x2m/50mm ²
2 STARTS AT	830A	-
12 STARTS AT	450A	-
MULTISTAGE AUTO WUoU CHARGER*	✓	✓
WEIGHT	15KG	40KG

*TO RECHARGE INTERNAL BATTERIES

PROFESSIONAL STARTER

SPECIFICATION	PROSTART 430
VOLTAGE	12V/24V
PEAK POWER	430A
MAX VEHICLE START	95Ah
CHARGING CURRENT	3 step < 35A
CHARGING CURRENT PEAK	52A
CHARGER TYPE	MANUAL
OVERVOLTAGE PROTECTION	✗
EXTERNALLY VISIBLE FUSE	✓
LARGE AMMETER	✓
REMOTE CONTROL	✗
POWER SUPPLY	SINGLE PHASE



GY S NEW GENERATION BATTERY SUPPORT UNIT

INVERTER 70.24 HF

Battery Support Unit - The GYS Inverter 70 will sustain the vehicle electrical system during diagnostic work, instantaneously supplying up to 70Amps as required to ensure that a constant voltage level is maintained preventing damage to sensitive electronics and disruption to the diagnostic process.



Battery Support Unit Features

70A high power stabilized power supply incorporating SMPS technology. Diag + to ensure compatibility with specific makes (and potential future manufacturer requirements). The Diag + feature allows the setting of any voltage level in the range 12 - 15V, (default operation is 13.5V). **14.8V can set for BMW.** Operates on 6V, 12V and 24V systems.

Battery Charger

The GYS Inverter 70 incorporates a high tech battery charger with IUoU multistage charging curve. Inverter power supply reduces charging time by up to 50% achieving a 100% charge suitable for GEL, AGM and Stop Start batteries.

Change Battery Mode

Ensures a stabilized power supply to preserve memory settings.

EXPERT OPINION

The GYS Inverter 70 Battery Support unit has been in use in our workshop and training centre for over a year, most modern vehicles now have a minimum voltage requirement during diagnostic procedures which ensures that no damage can occur to sensitive control units when in communication with them.

The later the model of vehicle, the higher the risk of damage to the control units fitted, it was on early systems acceptable to simply use a battery charger to keep voltage levels up. This is no longer the case, late model vehicles have multiple control units fitted, which are all in communication with each other. Varying voltage levels during diagnostics can disrupt this communication and cause loss of configuration, I have known of control units to be damaged beyond repair due to this very reason.

From a garage recently we had a Renault Megane which had completely lost communication with the immobiliser due to voltage drop during a diagnostic test that they were conducting using a well known scanner but no battery support, they left the scanner plugged into the car and decided to break for lunch, an hour later when they returned to the vehicle, they had lost communication with the control unit and it had become immobilised...it cost two hundred and sixty pounds to put right the damage! This is not good if you consider that most independent garages charge around thirty five pounds to carry out a serial port diagnosis to end up with a bill themselves of many times that amount to fix damage incurred by themselves, if a battery support unit had been used this fault would never have happened.

Many of the delegates at my training courses think it is ok just to use a boost starter to substitute for a BSU. It is not! High voltage supply is just as damaging as low voltage...at a recent technical conference I was at, the sad tale of a Volkswagen Passat was discussed in which a garage using a boost charger managed to destroy every control module on the car resulting in an insurance claim of almost three thousand pounds.

The GYS battery support unit is capable of maintaining a stable and safe voltage level during coding and programming procedures as well as keeping day to day serial port diagnostic procedures trouble free, most garages do not have one due to the fact that they don't know why they need one! But as the vehicles become newer passing through their workshops it is a time bomb waiting to catch you out!

The GYS 70 is the ideal choice for independent workshops as it can provide seventy amps stable power and the ability to set the voltage level to individual requirements at a price that is very competitive.

David Traynor Cant
DTC TRAINING SERVICES - EAST KILBRIDE

BEST BUYS

£599