PASSION INNOVATES FUTURE

AVL DITEST

A breath of fresh air in air conditioning service.

AVL DITEST ADS –
AIR CONDITIONING DIAGNOSTIC SYSTEM
Air conditioning service devices

AVLDiTEST.com

The ADS series 100 for coolants R134a or R1234yf

AIR CONDITIONING SERVICE TO MEET THE HIGHEST DEMANDS – THE ADS SERIES STANDS OUT FROM THE CROWD.

Thanks to their extensive vehicle database, sophisticated automatic procedures and plausibility checks, AVL DiTEST ADS devices allow simple and efficient air conditioning service to be performed on all vehicles, even hybrid and electric vehicles. In order to meet the requirements of the German automotive industry, the ADS 130 can be equipped with a gas identifier. This makes AVL DiTEST ADS the ideal partner for all air conditioning service requirements – for today and tomorrow.

SMART DESIGN:

- Can be used with a whole range of vehicles (HGVs, cars, construction vehicles, agricultural vehicles etc.)
- All maintenance-related components are easily accessible
- Robust and resistant metal housing guarantees the device a long service life, even after intensive workshop use
- Large runners for maximum mobility in a workshop environment
- High level of flexibility allows servicing and repair works to be performed on the vehicle simultaneously thanks to longer service hoses

INTUITIVE AND SAFE OPERATION:

- Little training needed and easy to use due to the well structured and self-explanatory user interface
- High level of occupational safety ensured thanks to menu-assisted processes with safety notifications and system-supported internal plausibility checks
- Image-supported working steps make it easier to locate the individual components in the vehicle (ADS 130)

TOP-CLASS PERFORMANCE:

- The use of tried and tested components ensures excellent reliability of the air conditioning service devices
- The device can be used with all standard coolants, conversion is an option for ADS 130
- Little preparation time needed: get the devices ready to operate in no time

FOR THE GOOD OF THE ENVIRONMENT:

- ECO Protect prevents coolant loss thanks to recognition of faulty Schrader valves and emptying of the hoses and service couplers
- Oil regeneration reduces the amount of environmentally-harmful waste oil
- Oil Clean: automatic emptying of the hoses before and after every working step
- Efficient and low-maintenance vacuum pump (service interval of 1000 hours) with lower energy consumption

AVL DiTEST ADS 110
COMPACT AND INTUITIVE

The most striking feature of the AVL DiTEST ADS 110 is arguably its compactness. Because of its small size, it is ideally suited to workshop conditions. Available for both the R134a and the R1234yf, this entry-level model is impressively simple and intuitive to use via a keypad and the cursor navigation. In other words, the AVL DiTEST ADS 110 is your reliable colleague in the workshop.

OVERVIEW OF FUNCTIONS:

› Fully automatic procedure for quick and easy servicing
› Manual procedure for maintenance tasks on the climate control technology
› Vehicle selection from a comprehensive database
› Automatic pressure testing
› Printer included
› Flashing functions (optional)

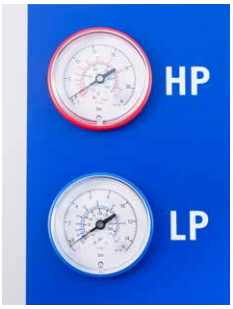
The AVL DiTEST ADS 110 comes in a R134a or R1234yf model as standard.

OPTIMALLY PREPARED:

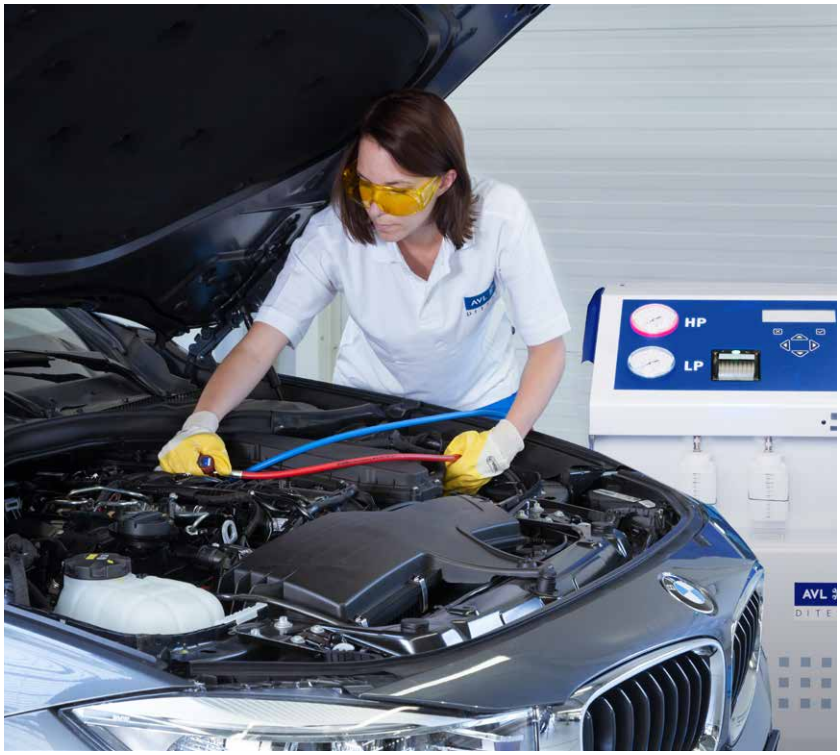
› Compact but meets all requirements
› Metal trolley for intensive workshop use
› 12-litre tank capacity
› 3-metre service hoses
› Intuitive menu navigation with simple 6-key operation

ADS 110: The compact fully automatic machine

Simple, clear and easy keypad operation



Everything at a glance – large analogue high-pressure and low-pressure manometer

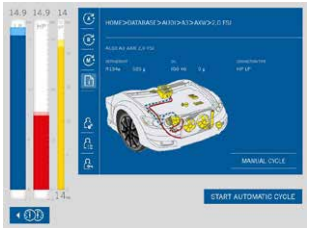


Simple firmware and database updates via USB boards

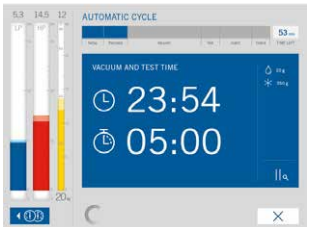
Convenient, quick and self-explanatory.

See for yourself how quick and easy air conditioning service can be: the software guides you from the function selection stage through performance of the task and right up to the results report. The 15-inch touchscreen display is intuitive and convenient to use.

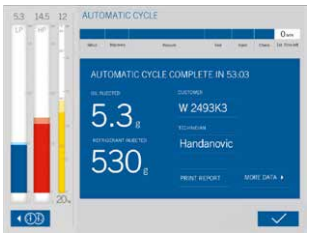
All information at a glance: the start menu, all the pressures and any additional information.



Graphical representations facilitate the act of locating the service coupler and climate control components.



The clear and precise status display provides progress information at all times.



The detailed service report can be printed out and archived as evidence.

AVL DiTEST ADS 130
LESS EFFORT, MORE PROFIT.

By way of innovative processes, the fully automatic ADS 130 devices assist both experienced vehicle technicians and beginners during air conditioning service. The automatic and manual servicing and diagnostics functions can be quickly and conveniently selected using the 15-inch touchscreen display. The automatic processes facilitate the replacement of climate control components in the vehicle, and as a result the entire servicing and repair procedure is reduced to a minimum. Thus saving you time, money and stress.

OVERVIEW OF FUNCTIONS:

› Fully automatic procedure for quick and easy servicing
› Manual procedure for maintenance tasks on the climate control technology
› Vehicle selection from a comprehensive database
› Automatic pressure testing
› Function testing of the climate control

The sophisticated technology allows the device to be used for both R134a or R1234yf coolants. Thanks to the possibility of converting the device for use with the other gas, with AVL DiTEST ADS 130 you are investing in the future of your company, today.

CONTEMPORARY DESIGN:

› Metal trolley for intensive workshop use
› 26-litre tank capacity
› Efficient and low-maintenance vacuum pump (service interval of 1000 hours)
› 4.5-metre service hoses
› Automatic control of the non-condensable gas
› Intuitive menu navigation
› Large 15-inch colour touchscreen display

AVL DiTEST ADS 130D – SIMPLE PRECISION: FOR PERFECT CLIMATE CONTROL.

Approved by Daimler and Jaguar Land Rover

The fully automatic ADS 130D uses innovative processes to assist both experienced vehicle technicians and beginners during climate control servicing. The automatic and manual servicing and diagnostics functions can be quickly and conveniently selected using the 15-inch touchscreen display. The automatic processes make it easier to replace climate control components in the vehicle, and as a result the entire servicing and repair procedure is reduced to a minimum. This saves you time, money and stress.

OVERVIEW OF FUNCTIONS:

- Fully automatic procedure for quick and easy servicing
- Manual procedure for maintenance work on the climate control technology
- Vehicle selection from a comprehensive database
- Automatic pressure testing
- Function testing of the climate control system
- Inclusive coolant identifier

This sophisticated technology makes precise filling and emptying of the climate control gases possible, and meets the high standards set by car manufacturers.

CONTEMPORARY DESIGN:

- Metal trolley for intensive workshop use
- 20-litre tank capacity
- Efficient and low-maintenance vacuum pump (service interval of 1000 hours)
- 3-metre service hoses
- Automatic control of the non-condensable gas
- Intuitive menu navigation
- Large 15-inch colour touchscreen display

H_2 leak detector

OPTIONAL ACCESSORIES FOR YOUR ADS DEVICES:

GAS IDENTIFIER

In order to ensure no contaminated coolant from the vehicle climate control system (R1234yf) enters the servicing device, the optional gas identifier from AVL DiTEST can be provided.

ADVANCED FLUSHING KIT

Our advanced air conditioning flushing kit ensures more efficient cleaning of the vehicle climate control system after repairs.

AIR CONDITIONING UV LEAK DETECTION SET

In order to continually ensure impermeability of the vehicle climate control when in operation, our UV leak detection set can be used to quickly and easily detect any small leakage.

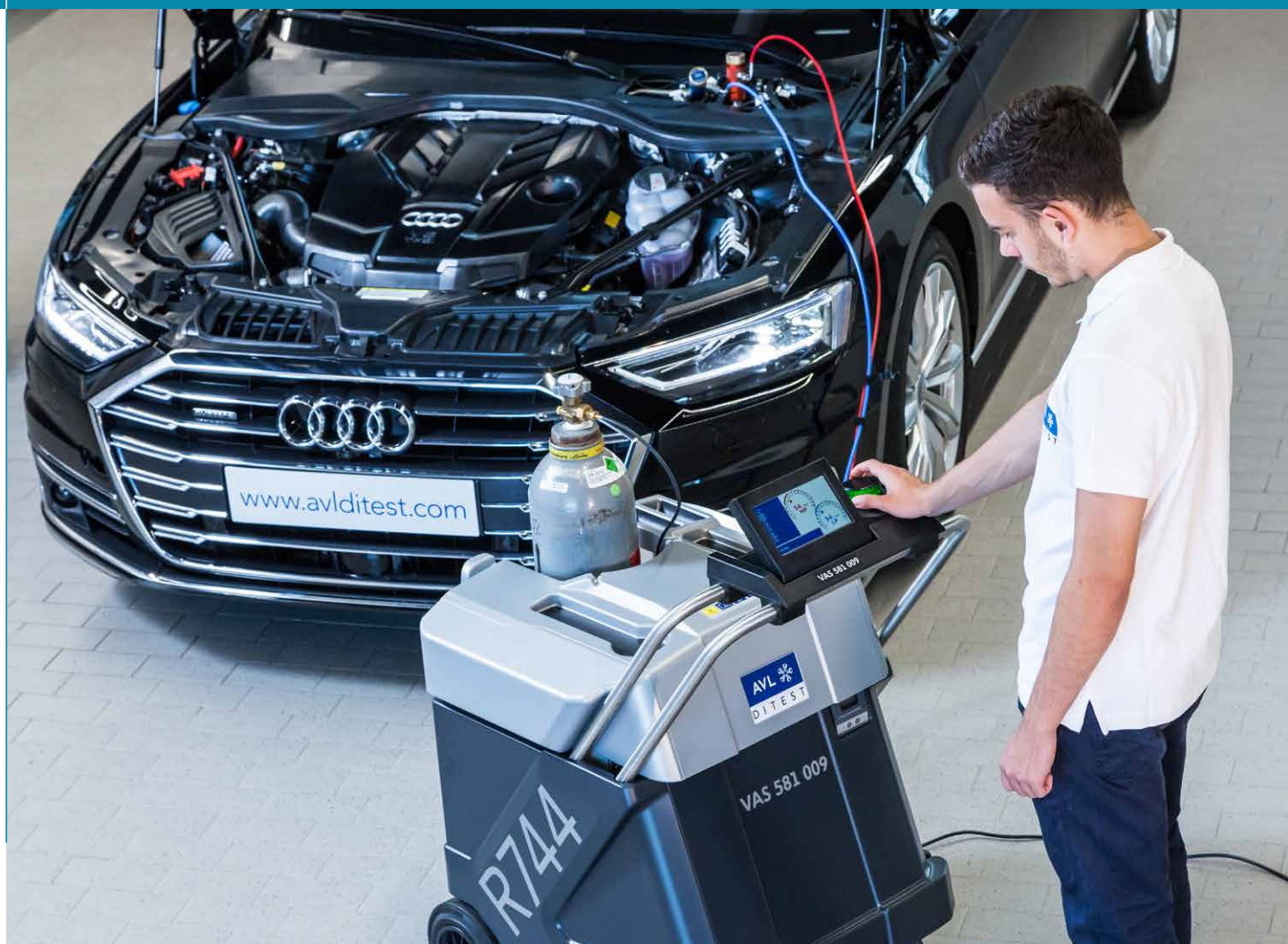
NITROGEN LEAK DETECTION SET

Before refilling the vehicle climate control with coolant after extensive repair work, our nitrogen leak detection set can be used to check and ensure the system is properly sealed.

Changing climate with R744 – the latest in air conditioning service technology.

CO_2 AIR CONDITIONING SYSTEMS – THE RIGHT FORMULA FOR A GREEN AND ECONOMIC FUTURE

CO_2 climate control (R744) is superior to the current R1234yf system in terms of efficiency, cooling dynamics and environmental sustainability. Reputable automotive manufacturers have recognised its potential and will be putting their faith in CO_2, the natural, ecological and advanced coolant. AVL DITEST is supporting the automotive industry with technological innovations. Together, we have developed the ADS 310 air conditioning service device so that for the first time, garage workshops are able to carry out repairs and maintenance on CO_2 air conditioning systems too. Safety, environmental protection and economic efficiency have been, of course, at the forefront of the development programme for the device.Entwicklung des Gerätes im Vordergrund.



AVL DiTEST ADS 310/VAS 581 009 FOR SAFE WORK UNDER MAXIMUM PRESSURE.

The AVL DiTEST ADS 310 is an enhanced development of the very successful AVL DiTEST ADS range. It sets new standards of design, operation, safety and environmental protection.

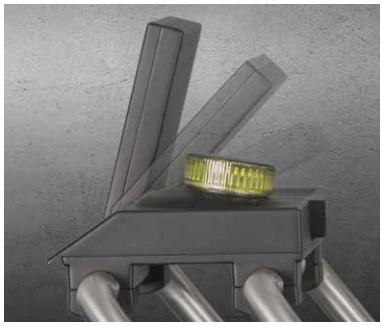
VAS 581 009 for the technology of tomorrow

INGENIOUS DESIGN:

› Small and light for optimal deployment
› Adjustable colour graphic display screen to optimise the ergonomics of the device
› Ingenious trolley design for rapid changing of CO_2 bottles – all current bottle types supported
› Plenty of storage space to ensure a clean and tidy workplace

UNIQUE, INNOVATIVE OPERATION:

› High level of occupational safety due to menu-assisted processes with safety notifications and system-supported internal plausibility checks
› Intuitive operation via the well-designed and self-explanatory user interface
› Simple exchange of coolant bottles is ensured by menu-driven process control
› Unique, innovative single-handed operation with rotary control
› Range of coloured indicators show current system condition



Unique operation system with adjustable display and rotary control with coloured indicators

FOR THE GOOD OF THE ENVIRONMENT:

› CO_2 is a natural and environmentally sustainable coolant
› Environmentally harmful consumables are reduced to a minimum
› Latest technology eliminates need to replace dryer unit

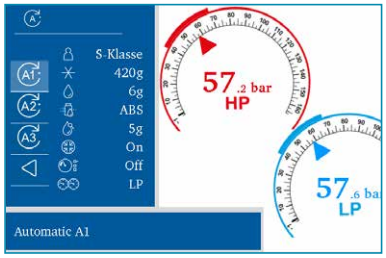
CO_2 is a natural and environmentally sustainable coolant

WORTHWHILE INVESTMENT:

› Very low maintenance costs and minimal use of consumables maximise the profitability of the device
› Opportunity to exploit additional income streams by expanding service range
› Future-proof, thanks to use of latest technology

OVERVIEW OF FUNCTIONS::

› Fully automatic procedure for quick and easy servicing
› Manual mode for maintenance tasks on the air conditioning system
› Function testing of the climate control
› Automatic documentation of work carried out
› Pre-set favourites



Clear software interface ensures fast and safe operation of the ADS 310

S-Klasse

OPTIONAL ACCESSORIES FOR YOUR ADS 310 DEVICE:

LEAK DETECTOR
For forming gas (95 % N_2 and 5 % H_2); suitable for all currently available airconditioning systems (R134a, R1234yf, R744).

REPLACEMENT HOSES
Set for HP and LP, length 3 m

COUNTRY-SPECIFIC CO_2 BOTTLE ADAPTER

CONTAINER FOR FRESH AND WASTE OIL AND UV LEAK DETECTOR FLUID

H_2 GAS SNIFFER
Set for HP and LP, length 3 m

ACCESSORIES AND OPTIONS CURRENTLY AVAILABLE FOR ADS 110, 130 AND 130D

Gas identifier 1234M VDA

Advanced flushing kit

Air conditioning flushing kit (standard)

Nitrogen leak detection set

Upgrade set for hybrid vehicles

Air conditioning UV leak detection set

Protection plans for ADS 13

Hose 4.5 m D+D (ACME-M14X1.5) SAE-J2196

ACCESSORIES AND OPTIONS CURRENTLY AVAILABLE FOR ADS 310/R744

Leak detector

H_2 leak detector

Country-specific CO_2 bottle adapter

Quick connectors: HP and LP

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