

# A breath of fresh air in Air Conditioning service.



AVL DITEST ADS  
AIR CONDITIONING  
DIAGNOSTIC SYSTEM

FUTURE SOLUTIONS FOR TODAY



# Changing climate control – diagnostics at the push of a button.

## AVL DITEST AIR CONDITIONING SERVICE SYSTEM FOR TODAY AND TOMORROW

By way of innovative processes, the fully automatic ADS devices assist both experienced vehicle technicians and beginners during air conditioning service. The sophisticated technology enables the device to be used for both R134a and HFO-1234yf coolants. Thanks to the possibility to convert the device for use with the other gas, AVL DITEST ADS devices represent a future-proof investment. Environmental considerations are of great importance when developing AVL DITEST ADS products: due to the use of environmentally friendly materials and innovative technologies for reducing coolant loss during air conditioning service, the impact on the environment is kept to a minimum. With our device, you are fully equipped for future challenges in the field of air conditioning service, too.

## RAPID AND RELIABLE: AIR CONDITIONING SERVICE TO MEET THE HIGHEST DEMANDS.

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, every ADS device for HFO-1234yf can be equipped with a gas identifier. This makes AVL DITEST ADS the ideal partner for air conditioning service 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 (min. 4.5 m)

### 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

### TOP-CLASS PERFORMANCE:

- The use of components that have been tried-and-tested over many years ensures excellent reliability of the air conditioning service devices
- The device can be used or converted for use with all standard coolants
- 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 the 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

### WORTHWHILE INVESTMENT:

- Costs for induction and training phases are minimal
- Future-proof investment due to the possibility to convert for use with new gases
- Exploitation of additional sources of income by expanding service offer



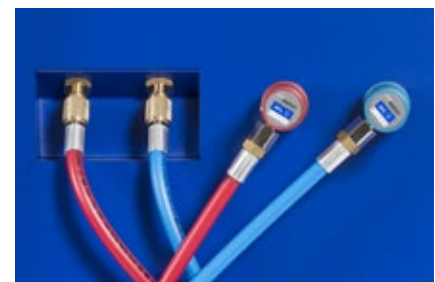
ADS 130: convenient operation thanks to the large touchscreen display



Vehicle database for fully automatic functioning



Smart details: clear LED screen of the ADS 120



Eco Protect prevents coolant loss



## CONVENIENT, QUICK, AND SELF-EXPLANATORY.

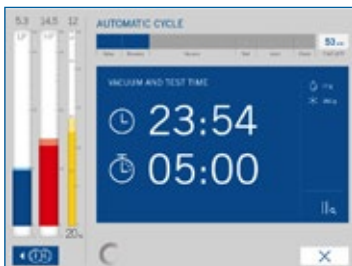
See for yourself how quick and easy air conditioning service can be: the software guides you from the function selection stage through performance of the task and right up to the results report. The 15-inch touchscreen display is intuitive and convenient to use.



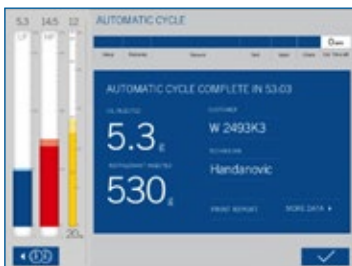
All information at the glance.



Graphical representations facilitate the act of locating the service coupler and A/C 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.

## LESS EFFORT, MORE PROFIT: AVL DITEST ADS 130

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 A/C 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 THE FUNCTIONS:

- Fully automatic procedure for quick and easy servicing
- Manual procedure for maintenance works on the A/C technology
- Vehicle selection from a comprehensive database
- Automatic pressure testing
- Function testing of the air conditioning

The sophisticated technology means the device can be used for both R134a and HFO-1234yf coolants. Thanks to the possibility to convert 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



## A CLEAR VIEW: AVL DITEST ADS 120

The ergonomic design of the AVL DITEST ADS 120 has been specially optimised for use in a workshop environment. The device is operated via a graphical touchscreen display. The simple and intuitive menu navigation makes your job easier and quickly leads to service results, making AVL DiTEST ADS 120 unique in its class.

### OVERVIEW OF THE FUNCTIONS:

- Fully automatic procedure for quick and easy servicing
- Manual procedure for maintenance works on the air conditioning technology
- Vehicle selection from a comprehensive database
- Automatic pressure testing
- Leak detection using a contrast agent or nitrogen (optional)
- Cleaning functions (optional)

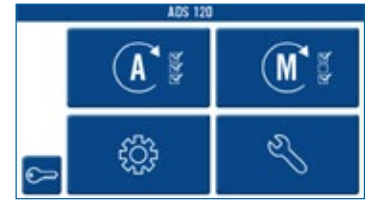
The AVL DITEST ADS 120 comes in a R134a or HFO-1234yf model as standard. The refined technology means the device can optionally be converted from R134a to HFO-1234yf. This means you are optimally prepared for the future.

### OPTIMALLY PREPARED:

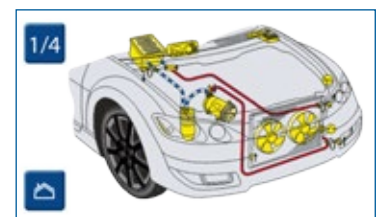
- Metal trolley for intensive workshop use
- 20-litre tank capacity
- Digital pressure gauge
- Efficient and low-maintenance vacuum pump (service interval of 1000 hours)
- 4.5-metre service hoses
- Intuitive menu navigation
- 4.3-inch colour touchscreen display

## CLEAR, RAPID AND INTUITIVE.

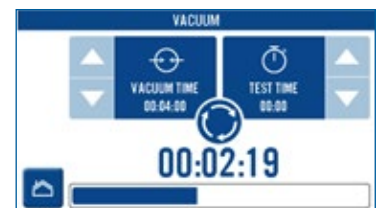
See for yourself how quick and easy air conditioning service can be: from the function selection stage, through performance of the task and right up to the results report, you are clearly and efficiently guided through the entire working process.



The clear main menu with its minimalist design ensures quick selection of the desired function.



Graphical representations facilitate the act of locating the service coupler and A/C 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.







### 1 GE7416 GAS IDENTIFIER

In order to ensure no contaminated coolant from the vehicle air conditioning system (HFO-1234yf) enters the servicing device, the gas identifier from AVL DITEST can optionally be provided.



### 2 GE7417 ADVANCED FLUSHING KIT

Our optional air conditioning cleaning kit ensures more efficient cleaning of the vehicle air conditioning service system after repairs.



3



### 3 GE7428 UV LEAK DETECTION SET

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



### 4 GE7438 NITROGEN LEAK DETECTION SET

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





# POSSIBLE ACCESSORIES AND OPTIONS



Gas identifier 1234M VDA:  
GE7416



Advanced Flushing Kit:  
GE7417



Hermetically-sealed oil container:  
GE7419



UV leak detection set: GE7428



Flushing Kit: GE7429



Electronic thermometer:  
GE7433



Service set: GE7436



UV lamp: GE7437



Nitrogen leak detection set:  
GE7438



Upgrade set for hybrid  
vehicles: GE7441



Quick connector for BMW:  
GE7442



Quick connector for Renault:  
GE7443



Magnetic tool for removing valve  
core: GE7444



Tool for removing valve core:  
GE7445



Hose extension set 4.5 m  
(HD-ND) for R-134A: GE7447



Rechargeable UV lamp:  
GE7448



Infrared thermometer:  
GE7451



Container for new oil and  
UV leak detection additive:  
GE7454



Container for waste oil:  
GE7455



Hose 4,5 m D+D (ACME-  
M14X1,5) SAE-J2196 :  
Red: GE7457  
Blue: GE7458

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