

# Your star turn for servicing CO<sub>2</sub> air conditioning systems.



AVL DITEST ADS 310  
AIR CONDITIONING  
DIAGNOSTIC SYSTEM

The air conditioning service device for  
CO<sub>2</sub> systems



# A breath of fresh air – air conditioning service 'on comand'.

## CO<sub>2</sub> AIR CONDITIONING SYSTEMS – THE RIGHT FORMULA FOR A GREEN AND ECONOMIC FUTURE

CO<sub>2</sub> air conditioning system (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 in future be putting their faith in CO<sub>2</sub>, the natural, ecological and advanced coolant. AVL DITEST is supporting the automotive industry with unique, state-of-the-art innovations. Together, we have developed the ADS 310 air conditioning service device so that for the first time, garage workshops are also able to carry out repairs and maintenance on CO<sub>2</sub> air conditioning systems. Safety, environmental protection and economic efficiency were, of course, at the forefront of the development programme for the device.

## FULLY AUTOMATED AIR CONDITIONING SERVICE DEVICE FOR OCCUPATIONAL SAFETY AT 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.

### 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<sub>2</sub> 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

### FOR THE GOOD OF THE ENVIRONMENT:

- CO<sub>2</sub> is a natural and environmentally sustainable coolant
- Environmentally harmful consumables are reduced to a minimum
- Latest technology eliminates need to replace dryer unit

### 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, due to use of pioneering technology

### OVERVIEW OF FUNCTIONS:

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



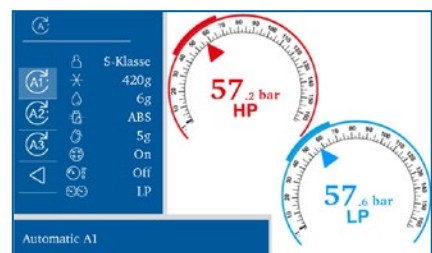
Ingenious design with adjustable screen



Unique operation by rotary control and coloured indicators



CO<sub>2</sub> is a natural and environmentally sustainable coolant



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

# ACCESSORIES AND OPTIONS



AVL DITEST ADS 310



Leak detector



H<sub>2</sub> gas sniffer  
(example image)



Air conditioning UV leak  
detection set: GE7428



Rechargeable UV lamp:  
GE7448



Infrared thermometer:  
GE7451



Container for fresh and waste oil  
and UV leak detector fluid



Quick-action connectors



Replacement hoses

## Publisher:

Head office: AVL DITEST GmbH  
Alte Poststrasse 156, 8020 Graz, AUSTRIA, Tel. +43 316 787-1193, Fax -1460, ditest@avl.com  
German branch: AVL DITEST GmbH  
Würzburger Strasse 152, 90766 Fürth, GERMANY, Tel. +49 911 47 57-540, Fax -477  
[www.avlditest.com](http://www.avlditest.com)