

AVL DiTEST ADS 310



General Technical Data	
Refrigerant Type	R744
Nominal Voltage	230 VAC
Frequency	50 Hz
Consumption	1200 W
Weight	75 kg
Dimensions (cm)	Compact Dimensions 67 x 100 x 81
Display	Tilttable 7 inch multi color display
Status display/input medium	Intuitiv operation with turning wheel Status-feedback by multi color LED display – 360° visible
Pressure gauges	Digital (LP, HP)
PC Interfaces	USB for SW Update and data logging
Max. operation pressure	140 bar
Hoses length	2,5 m
Printer	Thermal 24 columns
Norms, Regulations	2014/30/EU Electromagnetic Compatibility Directive 2014/35/EU Low Voltage Directive EN 61326-1:2013 EN 61010-1:2010

Refrigerant	
Refrigerant	R744
Load cell (kg)	50 kg
Refrigerant filling accuracy	± 10 g
Supported refrigerant bottle	5, 6, 10 and 20 kg with integrated riser, with gas connector; carbon dioxide 3.0 (purity 99.9%)
Utilization rate bottle contents	Minimum 70%
Vessel heating function	Standard

Oil/UV Tracer	
Oil vessels	3 (Fresh and Used oil, Tracer), mistake safe performance
Oil container capacity	250 ml
Number of scales	Single electronic scales for fresh oil, used oil and tracer
Measurement range scales	3 kg
Accuracy	± 5g

Vacuum pump	
Suction speed (m ³ /h)	3 m ³ /h
Ultimate pressure	0.002 mbar
Service interval	500 h

Climatic conditions	
Operating Temperature	+5...+50 °C
Storage Temperature	-25...+50 °C
Humidity	10... 90% non condensing

Functional description	
Automatic and manual process performance	Fully automatic A/C service Release Evacuation (vacuum test) Injection Pressure check Fresh oil and UV tracer injection
Duration whole process A/C service	< 35 min. with A/C 1.5l, 375g @ 20°C
Leakage test	Vacuum test, pressure check, UV tracer
Fully automatic during start of the system	Fully automatic by starting the system
Device check	Automatic and manual selectable Complete functional check of the complete system
System pressure diagnosis	Automatic LP and HP digital pressure gauge
Operator guidance – 3 clicks to go	Setting to 3 default-vehicles possible Fully automatic A/C service can be started by 3 clicks
Multilingualism	Multilingual menu
µSD map	Saving device data, service data and sets of parameters
Transport safety	Self security – no extra transportation lock necessary
Software update	Fail-proof software update via USB
Minimal maintenance efforts	Easy exchange of the vacuum pump oil, separate oil drip pan; apart from that maintenance free
Quick-release coupling	According to SAE J639