

# AVL DiTEST ADS 120



General Technical Data	
Refrigerant Type	R134A or R1234yf
Nominal Voltage	230 VAC
Frequency	50 Hz
Consumption	800 W
Weight	102 kg
Dimensions	80x80x152
Display	4,3 inch graphic TFT color display
Keyboard	Touch
Pressure gauges	3x digital gauges Diameter (LP, HP, BP) 80 mm
PC Interfaces	RS 232 USB interface trough optional converter
Max. operation pressure	20 bar
Hoses length	4,5 m
Printer	Thermal 24 columns
Pressure Equipment Directive (97/23/EC)	Class III
Norms, Regulations	97/23/EC Pressure Equipment Directive 2004/108/EC Electromagnetic Compatibility Directive 2006/95/EC Low Voltage Directive EN 378-2:2009 EN 13136:2007 EN 61326-1:2006 EN 61010-1:2001

Refrigerant	
Refrigerant	R134a or R1234yf
Vessel capacity	20 litre
Load cell (kg)	60 kg
Accuracy of refrigerant load cell	± 30 g
Recovery rate	>95%
Vessel heating functionality	Standard

Oil/UV Tracer	
Oil container	3 (New and Exhaust oil, Tracer)
Oil container capacity [ml]	250
Number of scales	One electronic scale for oil in and oil out
Load cell (kg)	15
Accuracy Oil/Tracer	± 5g/~15g
Hermetic vessels	Optional for new oil and Tracer

Vacuum pump	
Suction speed (m <sup>3</sup> /h)	3 m <sup>3</sup> /h
Ultimate pressure	0.02 mbar
Service interval	1000 h

Compressor	
Displacement	14 cc

Database	
Vehicles (R134a or R1234yf)	European, US and Asian standard Australian vehicle optional Agriculture and construction machinery optional
Vehicle information	Filling quantity of coolant Technical information and drawings required oil type
Database update	RS 232 Standard USB interface trough optional converter

Climatic conditions	
Operating Temperature	+5... +40 °C
Storage Temperature	-10...+50 °C
Humidity	10... 90 % non condensing

Functional description	
Refrigerant and used oil recovery, vacuum, recharge, oil injection	Automatic and manual
Automatic oil/tracer injection	Automatic with scale 1g resolution /5g accuracy for oil, tracer is time injected
Leakage test	Automatic (vacuum test) Nitrogen Kit optional
Self test	Internal leakage test
System pressure diagnose	Visual (LP and HP gauge)
MAC diagnostic	N/A
Flushing	With internal solenoid (required Flushing kit optional)
Hybrid function	Optional with hybrid kit
Convertible to R1234yf	Upgradeable
Gas identifier (only R1234yf)	Optional
Hose compensation	Automatic
NCG discharge	Electrically controlled
Customer database (vehicle)	100 records
Balance sheet for refrigerant	RS 232 Standard USB interface trough optional converter
Agriculture and construction machinery	Optional
"Eco protect" function	Standard