

Refrigerant ID

LEGEND portable refrigerant analysers



Which refrigerant are you really dealing with? | Is it pure?
Does the label on the cylinder or system match the actual content?

Accurate identification and analysis of the refrigerant each time you service a system will help you to diagnose and correct poor cooling performance, enhancing the quality of your work. As well as giving you a competitive edge, it will also prevent cross contamination in your cylinders and protect your valuable service equipment.

Many of the new low GWP refrigerants, including HFO types, are less stable and more sensitive to impurities than their predecessors. Their ability to break down faster in the atmosphere can make them more prone to break down inside the AC&R system. R1234yf, used in most new vehicles, is no exception. That's why vehicle manufacturers developed new technical standards for mobile A/C service, including a requirement to verify the purity of the refrigerant in the system prior to recovery. Legend, and Mini-ID allow you to conform to those standards.

Powered by Neutronics technology, Legend ID portable refrigerant analysers enable you to identify the refrigerant type and confirm its quality and purity, avoid contamination of systems and cylinders, save time, save cost, and avoid wastage.



AC25653

Legend R1234yf/R134a Refrigerant Analyser (with printer and Bluetooth)

This model measures R1234yf, R134a and R12, as well as contaminants R22, Hydrocarbons, and 'unknown'. It also displays percentages of R-1234yf, R-134a, R-22, R-12, HC, Unknown and Air.

Test Results	
R-1234yf	90.00%
R-134a	0.00%
R-22	5.00%
Hydrocarbons	5.00%
Unknown	0.00%
Air	0.00%

Legend ID R1234yf
result - red alert

AC25724

Legend HFC Multi-Refrigerant Analyser (with printer and Bluetooth)

This model analyses R22, R32, R134a, R404A, R407C, R410a, HCs and Air. It also identifies the presence of R12, R1234yf, R408A, R409A, R417A, R421A, R421B, R422A, R422B, R422C, R427A, and HCs.

R-410A	
R-22	0.0%
R-32	50.3%
R-134a	49.7%
Hydrocarbons	0.00%
Unknown	0.00%
Air	0.00%

Legend HFC
result - within spec

Imbalanced R-410A	
R-22	0.0%
R-32	46.8%
R-134a	53.2%
Hydrocarbons	0.00%
Unknown	0.00%
Air	0.00%

Legend HFC
result - out of spec

AC25218

Mini ID R134a

Refrigerant identifier or R134a

AC25219

Mini ID R1234yf

Refrigerant identifier for R1234yf

The two Mini-ID models provide a simple PASS/FAIL solution to protect your refrigerant cylinders as well as the refrigerant in the system before servicing. One model for each of the two Automotive refrigerant types.

Mini-IDs give you a simple Pass or Fail reading for R134a or R1234yf

Refrigerant ID

LEGEND portable refrigerant analysers



LEGEND R1234yf	AC25623
Application	R-1234yf, R-134a & R-12 Vehicle & Virgin Cylinder testing
Certifications	UL, UKCA, CE, SAE J2912
Analyzed Refrigerants (displays % purity)	R-134a, R-1234yf, R-12, R-22, HC, Unknown, Refrigerant, and % Air in pure R1234yf or R134a
Identified Refrigerants (NO % purity)	-
Test Time	90 seconds
Calibration	Automatic
Sample Type	Vapor Only 500 psig max.
Temperature	50–120°F (10–49°C)
Power	100-240 VAC, 50-60 Hz
Warranty	One Year
Interface	USB (SAE J2843 compliant), built-in printer & Bluetooth
Replacement parts	AC25652D Replacement R-134a Hose (M14) AC25652C Replacement R-1234yf hose (M12)

LEGEND HFC	AC25724
Application	Refrigerant Handling, Reclamation, and Distribution, HVACR Service, and Customs
Certifications	CE, UKCA, UL, and CUL
Analyzed Refrigerants (displays % purity)	R-22, R-32, R-134a, R-404A, R-407C, R-410A, R-290, R-600, R-600a as HC & Air
Identified Refrigerants (NO % purity)	R-12, R-1234yf, R-408A, R-409A, R-417A, R-421A, R-421B, R-422A, R-422B, R-422C, R-427A
Test Time	120 Seconds
Calibration	Automatic
Sample Type	Vapor, Liquid
Temperature	50–120°F (10–49°C)
Power	12 VDC @ 2A via 100-240 VAC, 50-60 Hz adapter
Warranty	One Year
Interface	Graphic Display, Soft Keys, Built in Printer
Replacement parts	Liquid Sample Trap H6-02-6001-17-0 Vapor Sample Hose H6-02-6001-42-0

Mini ID R134a	AC25218
Application	R-134a Vehicle & Virgin Cylinder testing
Certifications	UL, UKCA, CE, SAE-J1717, RoHS
Identified Refrigerants (PASS/FAIL)	R-134a
Test Time	100 seconds
Calibration	Automatic
Sample Type	Vapor Only 300 psig max.
Temperature	50–120°F (10–49°C)
Power	12 VDC
Warranty	One Year
Replacement parts	AC25652D Replacement R-134a Hose (M14)

Mini ID R1234yf	AC25219
Application	R-1234yff Vehicle & Virgin Cylinder testing
Certifications	UL, UKCA, CE, RoHS
Identified Refrigerants (PASS/FAIL)	R1234yf
Test Time	100 seconds
Calibration	Automatic
Sample Type	Vapor Only 300 psig max.
Temperature	50–120°F (10–49°C)
Power	12 VDC
Warranty	One Year
Replacement parts	AC25652C Replacement R-1234yf hose (M12)

GloLeak^{UV}
Fluorescent Leak
Detection



NitroTrace™
Pressure leak testing
& sensing system



**HVACR
sealpro®**
Leak sealants
for HV-AC&R



Purifier
Purifier: Sanitise
& Deodorise



Leaktronic
Electronic Refrigerant
& NitroTrace detection



snow leopard
technical lubricants
High Performance A/C
Lubricants & Additives

