



Service Tools for Automotive

Catalog 1





AST300PPM

REFRIGERANT LEAK DETECTOR WITH PPM DISPLAY

AST300PPM takes automotive leak detection to the next level. The large, easy-to-read LCD display can not only pinpoint the leak location, but help quantify the leak size using the PPM reading. AST300PPM detects R134a, R1234yf, and even CO₂ using the optional CO₂ sensor, so you can be ready for any application. Upgrade your toolbox today!



EN14624

R134a
R1234yf



SAE J2791
SAE J2913



ADVANTAGES

- Detects R134a and R1234yf
- PPM, automatic and manual zero modes
- Meets all SAE standards for automotive AC leak detection
- Infrared sensor – Minimizes false alarms from common under-hood chemicals
- Infrared sensor with easy field replacement
- Quick charging lithium ion battery
- Compatible with optional CO₂ sensor
- Includes UV inspection light and R1234yf check gauge





DUAL MODES HELP FIND THE LEAK FASTER

Use the new cloud hunting mode (left) to find the area highest in concentration, then switch to classic pinpoint mode (right) to pinpoint the leak.



SPECIFICATIONS

Includes	Infrared sensor Lithium ion battery Spare filters AC wall charger DC car charger Extra-long probe Carrying case Earbuds UV inspection light R1234yf check gauge
Compatible refrigerants	R134a and R1234yf (and all other HFCs, HFOs, and blends) CO ₂ (requires optional CO ₂ sensor)
Sensitivity per EN14624	1 g/yr (R134a) 0.5 g/yr (R1234yf)
Sensitivity for R744 (CO ₂)	0.07 oz./yr. (2 g/yr.) (requires CO ₂ sensor)
Power source	Lithium ion battery (rechargeable) USB (can operate while charging)
Battery life	~8 hours (cloud hunting mode) ~10 hours (pinpoint mode)
Weight	1.10 lb. (500g)
Certifications	CE SAEJ2791 SAEJ2913 EN14624:2012 A2L certified
Patents (pending)	Application #10 2018 206 877.1 Application #18171080.7 Application #10 2018 208 826.8
Probe length (standard probe)	~17 in. (43cm)
Warranty	Two-year

ORDERING INFORMATION

AST300PPM	AST300PPM
Accessories and Replacement Parts	
Earbuds	721-607-G1
TEK-Check™ R134a reference leak	703-080-G10
TEK-Check™ R1234yf reference leak	703-080-G12
Wall charger (US and international)	721-606-G1
12 V (dc) car charger	721-605-G1
Lithium ion battery	721-702-G1
Battery charging cradle	721-610-G1
Battery/cradle combo	721-604-G1
Extra-long probe	721-611-G1
Needle probe extension	721-612-G1
Refrigerant sensor (R134a and R1234yf)	724-701-G1
CO ₂ sensor	724-701-G2
Filter cap	712-705-G1
Filter cartridges	712-707-G1



AST200IR

REFRIGERANT LEAK DETECTOR

AST200IR uses years of proven technology making automotive leak detection quick and easy. The quick-charging lithium ion battery and long-lasting infrared sensor make the AST200IR a tool you can rely on to perform, day after day. AST200IR detects R134a, R1234yf, and even CO₂ using the optional CO₂ sensor, so you can be ready for any application. Upgrade your tool box with this accurate and reliable leak detector.



SAE J2791
SAE J2913

EN14624

R134a
R1234yf

Li-Ion



ADVANTAGES

- Detects R134a and R1234yf
- Meets all SAE standards for automotive AC leak detection
- Infrared sensor minimizes false alarms from common under-hood chemicals
- Infrared sensor with easy field replacement
- Quick charging lithium ion battery
- Compatible with optional CO₂ sensor
- Includes UV inspection light and R1234yf check gauge





SPECIFICATIONS

Includes	Infrared sensor Lithium ion battery Spare filters AC wall charger Carrying case UV inspection light R1234yf check gauge
Compatible refrigerants	R134a and R1234yf (and all other HFCs, HFOs, and blends) CO ₂ (requires optional CO ₂ sensor)
Sensitivity per EN14624	1 g/yr (R134a) 0.5 g/yr (R1234yf)
Sensitivity for R744 (CO ₂)	0.07 oz./yr. (2 g/yr.) (requires CO ₂ sensor)
Power source	Lithium ion battery (rechargeable) Micro USB (can operate while charging)
Battery life	~10 hours
Weight	0.97 lb. (440 g)
Certifications	CE SAEJ2791 SAEJ2913 EN14624:2012 A2L certified
Patents (pending)	Application #10 2018 208 826.8
Probe length	~17 in. (43 cm)
Warranty	Two-year

ORDERING INFORMATION

AST200IR	AST200IR
ACCESSORIES AND REPLACEMENT PARTS	
Earbuds	721-607-G1
TEK-Check™ R134a reference leak	703-080-G10
TEK-Check™ R1234yf reference leak	703-080-G12
Wall charger (US and international)	721-606-G1
12 V (dc) car charger	721-605-G1
Lithium ion battery	721-702-G1
Battery charging cradle	721-610-G1
Battery/cradle combo	721-604-G1
Extra-long probe (~27 in. (69cm))	721-611-G1
Needle probe extension	721-612-G1
Refrigerant sensor (Detects CFCs, HFCs, HFOs)	724-701-G1
CO ₂ sensor	724-701-G2
Filter cap	712-705-G1
Filter cartridges	712-707-G1

AST100

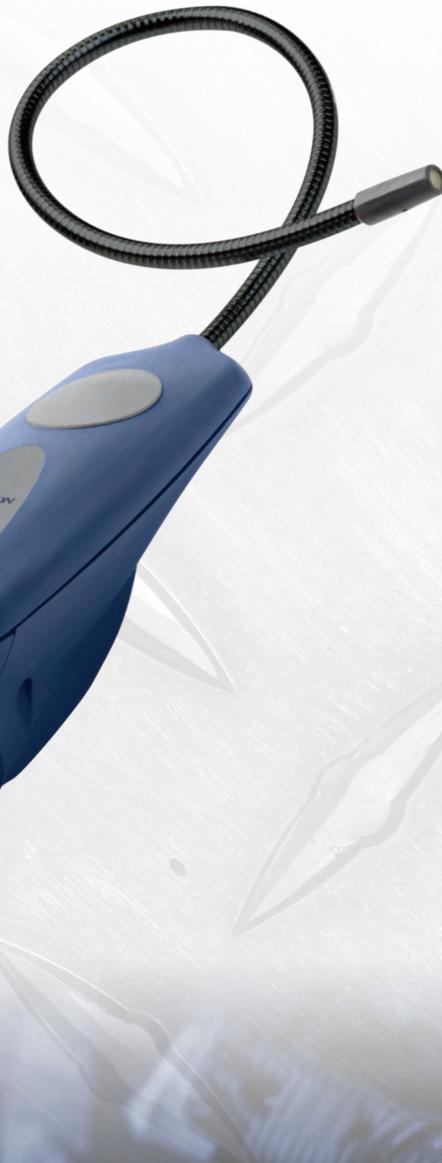
REFRIGERANT LEAK DETECTOR

Affordable price, simple operation, and reliable performance make AST100 a great choice for any technician. Save time by finding both R134a and R1234yf leaks like a professional with AST100.



R134a
R1234yf

EN14624



ADVANTAGES

- Sensitivity of 2 g/yr (per EN 14624)
- Detects R134a and R1234yf
- Reliable heated diode sensor
- Fewer false alarms than standard automotive leak detectors
- Runs on two D-cell batteries
- Includes UV inspection light

SPECIFICATIONS

Includes	Heated diode sensor Two D-size alkaline batteries Spare filters Carrying case UV Inspection light
Compatible refrigerants	R134a and R1234yf (and all other HFCs, HFOs, and blends)
Sensitivity per EN14624	2 g/yr (R134a)
Power source	Two D-size alkaline batteries
Battery life	16 hours
Weight	1.54 lb. (700g)
Certifications	CE SAE J1627 EN14624:2012 A2L certified
Probe length	15 in. (38cm)
Warranty	Two-year

ORDERING INFORMATION

AST100	AST100
Accessories and Replacement Parts	
TEK-Check™ R134a reference leak	703-080-G10
TEK-Check™ R1234yf reference leak	703-080-G12
Sensor	703-020-G1
Filters	705-600-G1

AST100FG

FORMING GAS LEAK DETECTOR

Forming gas (95% nitrogen/5% hydrogen), an inexpensive and readily available gas, can be used to leak check an empty AC system using AST100FG. This saves money and reduces environmental impact compared to leak checking with refrigerant. AST100FG is also intrinsically safe for use in other applications where flammable or explosive gases are present.



ADVANTAGES

- Detects forming and combustible gases
- Easy to use
- Long sensor life
- Intrinsically safe
- Includes UV inspection light
- Runs on two D-cell batteries

TYPICAL APPLICATIONS

- Automotive AC service with forming gas
- Propane forklift leaks
- Hydrogen fuel cell leaks
- Fuel system leaks for gasoline or LNG vehicles

SPECIFICATIONS

Includes	Combustible gas sensor Two D-size alkaline batteries Carrying case UV Inspection light
Detects	Hydrogen forming gas Gasoline Natural gas Propane Butane and more
Sensitivity	Forming gas: 7g (0.25 oz.)/year R134a equivalent 5 ppm for methane, propane, isobutane, and hydrogen 1 ppm for gasoline
Power source	Two D-size alkaline batteries (use Duracell® MN1300 to maintain intrinsically safe approval)
Battery Life	25 hours
Weight	1.54 lb. (700 g)
Certifications	CE Intrinsically safe for Class I, Division I, Groups A - D, T4 and II 3G Ex nA nL IIC T4 X as per MET Laboratories Listing #E112145
Probe length	15 in. (38 cm)
Warranty	Three-year

ORDERING INFORMATION

AST100FG	AST100FG
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Accessories and Replacement Parts

Sensor	706-700-G1
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**For sales and service, visit www.inficonserVICETOOLS.com
or contact us at:**

service.tools@inficon.com

serVICETOOLS.europe@inficon.com

reach.china@inficon.com

reach.japan@inficon.com

reach.korea@inficon.com

reach.taiwan@inficon.com

reach.singapore@inficon.com



www.inficonserVICETOOLS.com

service.tools@inficon.com

Due to our continuing program of product improvements, specifications are subject to change without notice.

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