

Vacuum, gas tracer and pressurization units & Leak detectors

D-TEK Select (Portable Leak Detector)

Infrared leak detector portable version - for A1 and A2 refrigerant gas



D-TEK Select

This refrigerant leak detector uses an innovative infrared absorption sensing cell that is extremely sensitive to all refrigerants and is not sensitive to any other type of gases.

D-TEK Select Refrigerant Leak Detector maintains the sensitivity over time for consistent, accurate and reliable performance, even with the newer refrigerant blends.

Best of all, the sensing cell lasts for approximately 1,000 hours. Additional enhancements include a charging status indicator, sensor failure indication, and rechargeable NiMH batteries.

Specifications

Detection capabilities	R22, R134a, R404a, R410a, R448a, R507 (AZ-50), R32, HFO1234yf, SF6, and all other CFCs, HCFCs, HFCs, and HFOs
Minimum Sensitivity	3,0 g/year
Sensitivity according to EN14624 (R134a)	1,0 g/year
Operating Principle	Sniffer with evaluation of thermo-conductive sampled gas
Heating time / reaction time	~ 1 minute / 1 s
Leak detection method	Multiple LEDs, variable intensity audio alarm indicate leak strength
Probe length	38 cm
Autonomy	6,5 hours
Recharging time	8 hours (230 Vac battery charger)
Dimensions / Weight	220 x 65 x 30 mm / 0,45 kg
Standard content of the supply	Infrared cell, NiMH battery, spare filters, wall charger, 12 V car charger, hard plastic carrying case.

GAS-Mate (Portable Leak Detector)

safely detect flammable refrigerant and combustible A3 refrigerant leaks



GAS-Mate

The ideal tool for locating leaks in forming gas, flammable refrigerant, or combustible heating and appliance applications. GAS-Mate is also intrinsically safe, so you can leak check with confidence. **GAS-Mate** outperforms other models with twice the sensitivity of many competitors - down to 5 ppm methane, the main component of natural gas. It also detects many other combustible gases, such as ammonia, propane, ethanol and hydrogen sulphide. No calibration is required for GAS-Mate or its field-replaceable sensor. Simply turn the unit on, allow it to warm up for two minutes and it is ready to quickly pinpoint any gas leaks present. When the **GAS-Mate** detects combustible gas, it emits an acoustic sound and the leak indicators flash. The faster emission of a sound or a fixed alarm indicates a higher concentration of gas.



Specifications

Detection capabilities	R290, R600a, and R441a; Detects forming gas (95% Nitrogen, 5% Hydrogen)
Minimum Sensitivity	5 ppm: methane, R290 (propane), R600a (isobutane), hydrogen;
Operating Principle	Sniffer with evaluation of thermo-conductive sampled gas
Heating time / reaction time	~ 1 minute / 1 s
Leak detection method	Multiple LEDs, variable intensity audio alarm indicate leak strength
Probe length	38 cm
Autonomy	25 hours
Recharging time	8 hours (230 Vac battery charger)
Dimensions / Weight	220 x 65 x 30 mm / 0,45 kg
Standard content of the supply	Sensor, two "D" size alkaline batteries, hard plastic carrying case

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging Injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

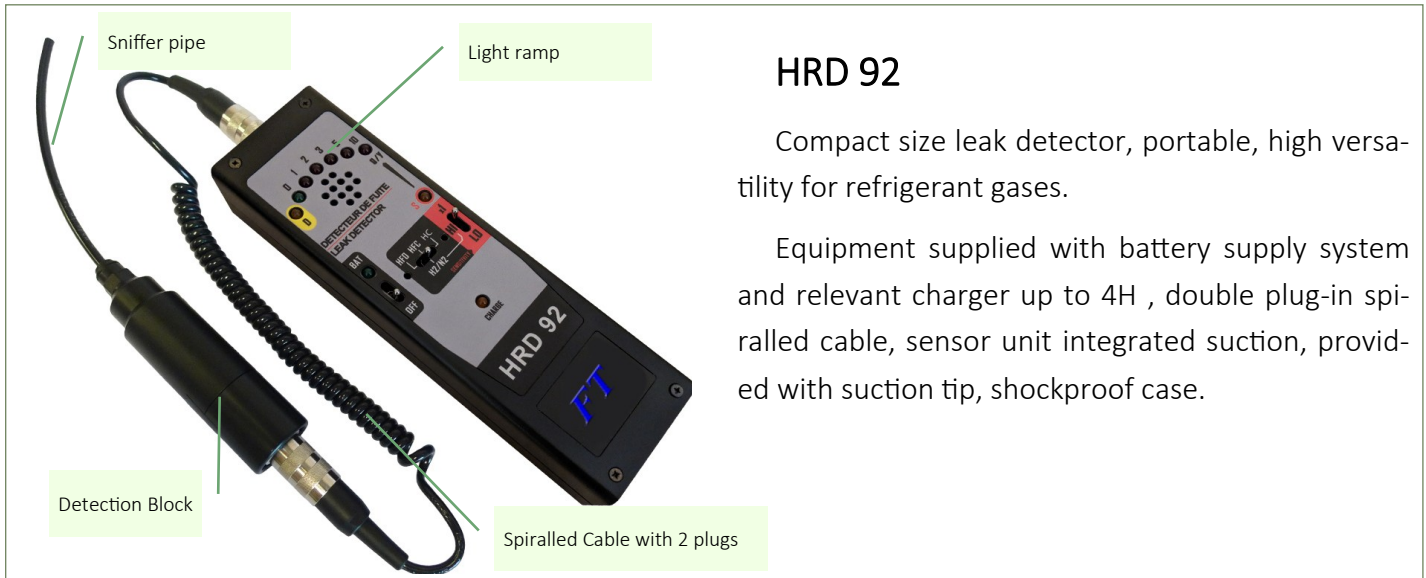
Ultrasonic tube sealers

IPCS & IPCS PLUS

Vacuum, gas tracer and pressurization units & Leak detectors

HRD 92 (portable Leak Detector)

Portable version - for refrigerant gas and tracers mixtures



HRD 92

Compact size leak detector, portable, high versatility for refrigerant gases.

Equipment supplied with battery supply system and relevant charger up to 4H, double plug-in spiralled cable, sensor unit integrated suction, provided with suction tip, shockproof case.

Specifications

Available probes	All refrigerant gases detection block R1234ze, R134a, R404, R407, R410... R290, R600, NH3. Blends R1234ze & R134a Tracer mixture gases N2/H2 (5% H2)
Sensitivity probes for HFC and HC	from 0,3 to 30 g/year HFC, on three scales: 0,3 ÷ 3 g/year HFC, alarm @ 1 g/year 1 ÷ 10 g/year HFC, alarm @ 3 g/year 3 ÷ 30 g/year HFC, alarm @ 10 g/year from 0,1 to 10 g/year HC, on three scales: 0,1 ÷ 1 g/year HC, alarm @ 0,3 g/year 0,3 ÷ 3 g/year HC, alarm @ 1 g/year 1 ÷ 10 g/year HC, alarm @ 10 g/year
Sensitivity probes for tracer mixtures N2/H2	from 2x10 ⁻⁶ to 2x10 ⁻⁴ cm ³ /s H2, on three scales: 2x10 ⁻⁶ ÷ 2x10 ⁻⁴ cm ³ /s H2, alarm @ 6x10 ⁻⁶ cm ³ /s 8x10 ⁻⁶ ÷ 8x10 ⁻⁵ cm ³ /s H2, alarm @ 2x10 ⁻⁵ cm ³ /s 2x10 ⁻⁵ ÷ 2x10 ⁻⁴ cm ³ /s H2, alarm @ 6x10 ⁻⁵ cm ³ /s
Operating Principle	Sniffer with evaluation of thermo-conductive sampled gas
Heating time / reaction time	~ 1 minute / 1 s
Reading display	Array of 6 LED alarm light and sound, self-diagnosis by means of LEDs indicating temporary malfunction or permanent as saturation, degassing, etc.
Probe length	1,5 m
Autonomy	4 hours
Recharging time	8 hours (230 Vac battery charger)
Dimensions / Weight	220 x 65 x 30 mm / 0,45 kg
Standard content of the supply	Charger, sensor with integrated suction unit, suction tip, shockproof case

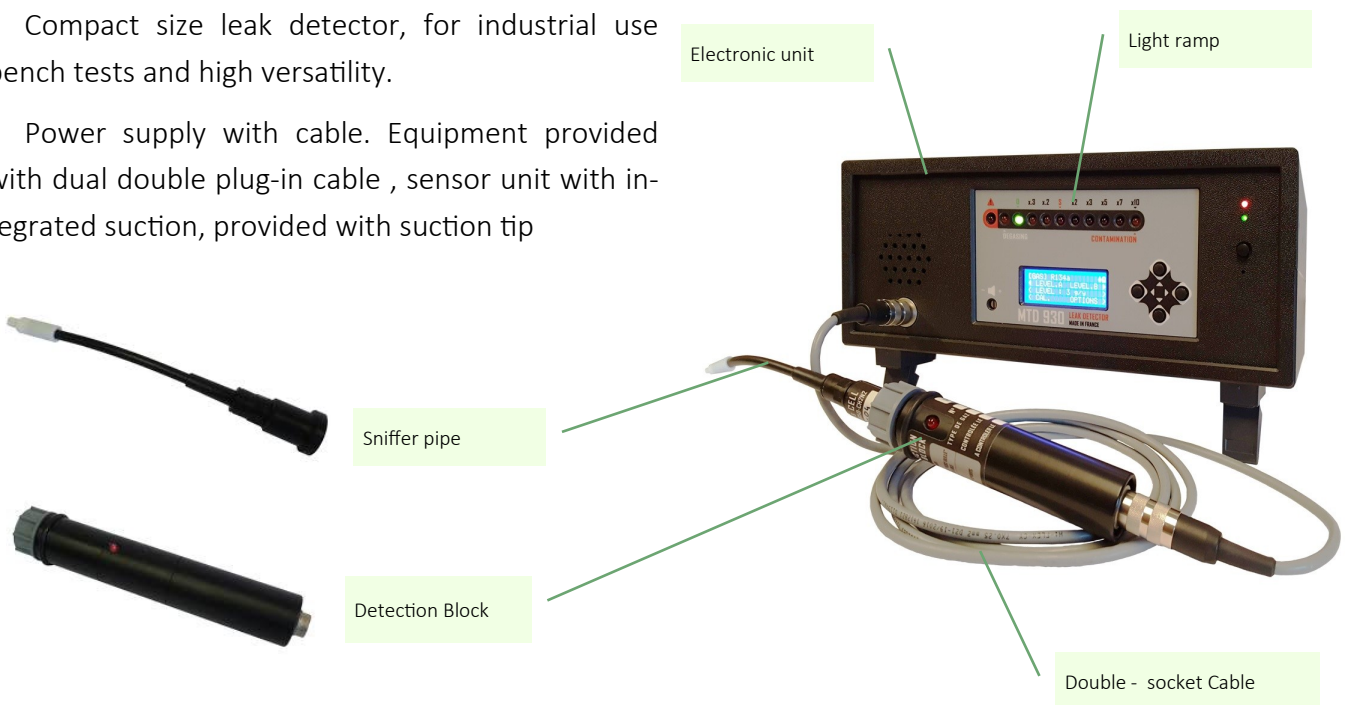
MTD 930 (Industrial Leak Detector)

industrial version - for refrigerant and HFO gas and tracers mixtures

MTD 930

Compact size leak detector, for industrial use bench tests and high versatility.

Power supply with cable. Equipment provided with dual double plug-in cable, sensor unit with integrated suction, provided with suction tip



Specifications

Available Probe	R1234ze, R134a, R404, R407, R410a R290, R600 tracer mixture gases N2/H2 (5% H2)
Minimum Sensitivity for HFC, HC and HFO	H2/N2: 1 * 10 ⁻⁵ cc/s Equivalent R134a: 1 g/yr
Operating Principle	Sniffer with evaluation of thermo-conductive sampled gas
Reading display	4 lines LCD screen Light ramp with 3-tone sound signal Saturation indication with 10 times the set value Degassing Countdown timer Adjustable sound volume Indication of environmental contamination
Power supply / consumption	230/110 V, 50/60 Hz, 25 W
Cable length	1,5 m
Dimensions / Weight	300x 200 x 150 mm / 5 kg
Standard content of the supply	power supply cable, sensor with integrated suction unit, suction tip

Vacuum, gas tracer and pressurization units & Leak detectors

HLD 6000 (industrial Leak Detector)

Infrared version - for Refrigerant Gas including HC

HLD 6000

Leak detection in a compact, portable, high versatility and speed of use.

Versions for R134a, R404A, R407C, R410A, CO₂, other gases. Equipped with power supply.



Specifications

Detection capabilities	Version available for R134a, R404A, R407C, R410A, CO ₂ and other gases
Sensitivity	1 ÷ 50 g/year
Signalling	Digital
Zero	Automatic, with self-compensation of environmental contamination
Reaction time	< 1 s
Calibration	Feasible within seconds by referring to internal calibrated leak
Probe length	4,8 m
Auto Test	available, aspirated gas flow 320 sccm
Working temperature	10 ÷ 50 °C
Dimensions (high x diameter)/ Weight	365 x 260 mm / 4,5 kg
Power supply / consumption	220/240 V - 50/60 Hz

Ecotec E3000 (Industrial Leak Detector)

Mass spectrometer - for refrigerant gases and tracer mixtures

Ecotec E3000

The Ecotec E3000 is a professional bench Leak detector with high functionality and versatility. Power is supplied by cable. Equipment provided with dual plug-in cable, sensor unit with integrated suction, suction tip. This device can be interfaced with the Pressurizing station **iAmiata**.



Specifications

Detection capabilities	Gas CFC, HCFC, HFC, HC, He, etc.
Maximum Sensitivity	0,05 g/year 1×10^{-6} mbar l/s for He
Signalling	Digital by means of bar graph
Zero	Automatic, with self-compensation of environmental contamination
Number of detecting gases at the same time	Up to 4
Number of gas in the database	Over 100
Reaction time	<0,8 s
Calibration	Feasible within seconds by referring to internal certificated leak ECO. The operation can be done by external instruments.
Probe length	3 m
Auto Test	available, aspirated gas flow 160 sccm
Working temperature	10 ÷ 45 °C
Dimensions / Weight	610 x 370 x 265 mm / 34 kg
Power supply / consumption	220/240 V - 50/60 Hz

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers

IPCS & IPCS PLUS

Vacuum, gas tracer and pressurization units & Leak detectors

Protec P3000 (Industrial Leak Detector)

Quartz window technology - for He tracer gas

Protec P3000

Protec P3000 is a professional bench Leak detector with High versatility. The device can be connected to the **iAmiata** and **iFuji** units for a full data communication relevant to the leaks detection process.

Power supply with cable. Equipment provided with dual plug-in cable , sensor unit with integrated suction, suction tip.



Specifications	PROTEC P3000	PROTEC P3000 XL
Detection capabilities	Helium	
Maximum sensitivity / Range measure	1x10 ⁻⁷ mbar l/s / 5 decades	1x10 ⁻⁷ mbar l/s / 5 decades
Signalling	Digital by means of bar graph	
Zero	Automatic, with self-compensation of environmental pollution	
Reaction time	< 700 ms	< 450 ms
Calibration	Feasible within a few seconds referring to the calibrated leak certified PRO-Check integrated into the instrument	
Probe length	3 m, other length are available on request	
Auto Test	Available, gas flow aspirated 300 sccm	Available, gas flow aspirated 3000 sccm
Working temperature	10 ÷ 45 °C	
Dimensions / Weight	610 x 370 x 265 mm / 27 kg	
Power supply / consumption	220/240 V - 50/60 Hz	

真空、气体示踪剂和加压装置以及检漏仪

D-TEK Select (便携式检漏仪)

D-TEK Select

该制冷剂检漏仪采用创新的红外吸收传感单元，该单元对所有制冷剂都极其敏感，对任何其他类型的气体不敏感。

即使使用较新的制冷剂混合物，D-TEK Select制冷剂检漏仪也能长期保持灵敏度，从而实现一致、准确和可靠的性能。

最重要的是，传感单元的使用寿命约为1,000小时。其他增强功能包括充电状态指示灯、传感器故障指示和可充电镍氢电池。



规格

检测能力	R22、R134a、R404a、R410a、R448a、R507 (AZ-50)、R32、HF01234yf、SF6和所有其他CFC、HCFCs、HFCs和HF0s
最低灵敏度	3.0 g/yr
符合EN14624 (R134a)的灵敏度	1.0 g/年
工作原理	具有热传导采样气体评估功能的嗅探器
加热时间/反应时间	~ 1 min/1 s
泄漏检测方法	多个LED、可变强度音频警报指示泄漏强度
探头长度	38cm
续航时间	6.5小时
充电时间	8小时 (230 Vac电池充电器)
尺寸/重量	220 x 65 x 30 mm / 0.45 kg
标准供应内容	红外电池、镍氢电池、备用过滤器、壁式充电器、12 V车载充电器、硬塑料手提箱。

GAS-Mate (便携式检漏仪)



GAS-Mate

用于定位合成气体、可燃制冷剂或可燃加热和电器应用中的泄漏的理想工具。GAS-Mate本质上安全，因此您可以放心地进行泄漏检查。GAS-Mate 优于其他型号，其甲烷（天然气的主要成分）灵敏度是许多竞争对手的两倍，低至5 ppm。它还可以检测许多其他可燃气体，例如氨、丙烷、乙醇和硫化氢。GAS-Mate或其现场可更换传感器无需校准。只需打开设备，使其预热两分钟，即可快速查明是否存在气体泄漏。当GAS-Mate 检测到可燃气体时，它会发出声音且泄漏指示灯闪烁。声音或固定警报发出的速度越快，表明气体浓度越高。



规格

检测能力	R290、R600a和R441a；检测合成气体（95%氮气、5%氢气）
最低灵敏度	5 ppm：甲烷、R290（丙烷）、R600a（异丁烷）、氢气；
工作原理	具有热传导采样气体评估功能的嗅探器
加热时间/反应时间	~ 1 min/1 s
泄漏检测方法	多个LED、可变强度音频警报指示泄漏强度
探头长度	38cm
续航时间	25小时
充电时间	8小时（230 Vac电池充电器）
尺寸/重量	220 x 65 x 30 mm / 0.45 kg
标准供应内容	传感器、两节“D”型碱性电池、硬塑料手提箱

公司简介

真空和冷媒充注装置

R134a制冷剂处理系统

特殊装置

真空和冷媒充注射器

制冷剂输送泵

压力测试单元检漏仪

初步排空

电气和功能测试

超声波管封口机

IPCS和IPCS PLUS

真空、气体示踪剂和加压装置以及检漏仪

HRD 92 (便携式检漏仪)



HRD 92

尺寸紧凑、多功能性高、适用于制冷剂气体的便携式检漏仪。

设备配有电池供电系统和相关充电器（长达4小时）、双插入式螺旋电缆、集成吸力的传感器单元，含吸嘴、防震盒。

规格

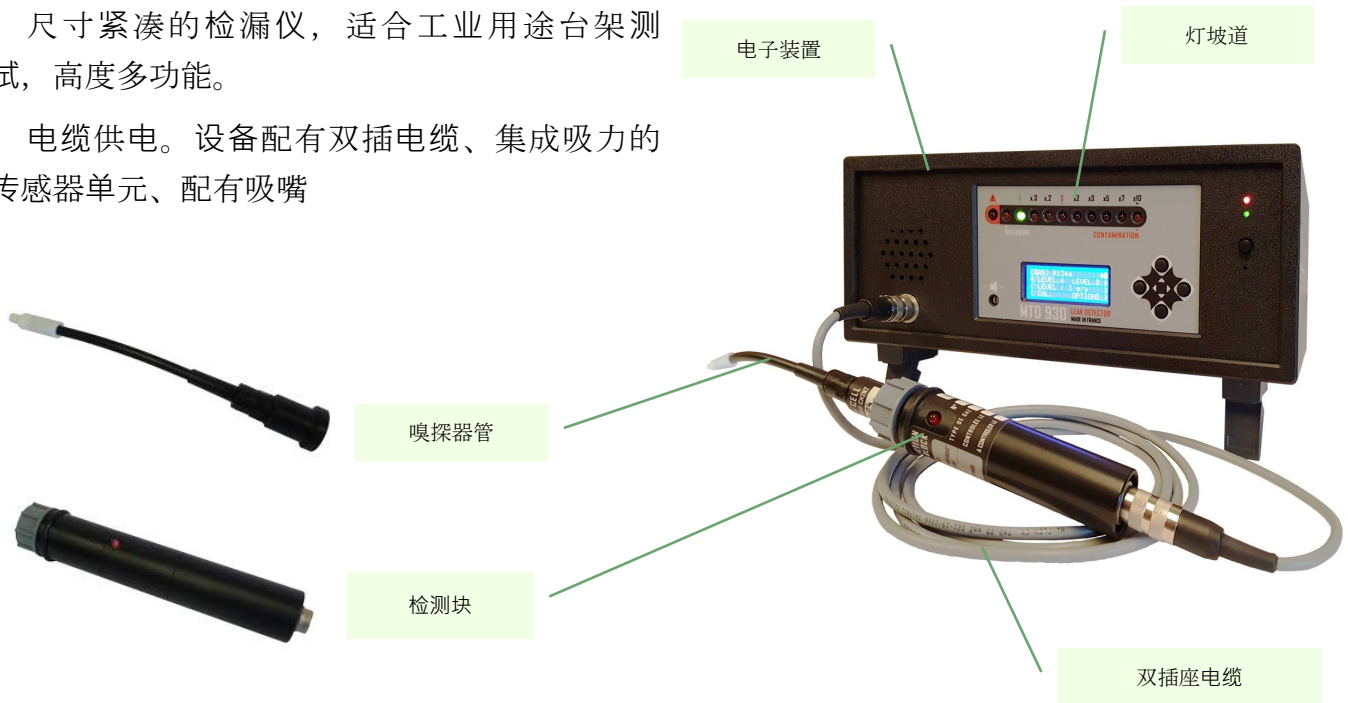
可用探头	所有制冷剂气体检测块 R1234ze、R134a、R404、R407、R410……R290， R600、NH ₃ 。 R1234ze和R134a混合 物示踪混合气体N ₂ /H ₂ (5% H ₂)
HFC和HC灵敏度探头	从0.3到30g/yrHFC，分三个尺度： 0.3 - 3 g/yr HFC， 1g/yr时报警1 - 10 g/yr HFC， 3g/yr时报警3 - 30 g/yr HFC， 10 g/yr时报警从0.1到10 g/yr HC，分三个等级： 0.1 - 1 g/yr HC， 0.3g/yr时报警0.3 - 3 g/yr HC， 1g/yr时报警1 - 10 g/yr HC，10 g/yr时报警
用于示踪混合物N ₂ /H ₂ 的灵敏度探头	从2x10 ⁻⁶ 到2x10 ⁻⁴ cm ³ /s H ₂ ，分三个尺度： 2x10 ⁻⁶ - 2x10 ⁻⁴ cm ³ /s H ₂ ，在6x10 ⁻⁶ cm ³ /s时报警 8x10 ⁻⁶ - 8x10 ⁻⁵ cm ³ /s H ₂ ，在2x10 ⁻⁵ cm ³ /s时报警 2X10 ⁻⁵ - 2x10 ⁻⁴ cm ³ /s H ₂ ，在6x10 ⁻⁵ cm ³ /s时报警
工作原理	具有热传导采样气体评估功能的嗅探器
加热时间/反应时间	~ 1 min/1 s
读数显示	6个LED报警灯和声音阵列，通过指示暂时故障或永久性故障（如饱和、脱气等）的LED进行自我诊断。
探头长度	1.5米
续航时间	4小时
充电时间	8小时（230 Vac电池充电器）
尺寸/重量	220 x 65 x 30 mm / 0.45 kg
标准供应内容	充电器、带集成吸力装置的传感器、吸嘴，防震盒

MTD 930 (工业检漏仪)

MTD 930

尺寸紧凑的检漏仪，适合工业用途台架测试，高度多功能。

电缆供电。设备配有双插电缆、集成吸力的传感器单元、配有吸嘴



规格

可用探头	R1234ze、R134a、R404、R407、R410a R290、R600 示踪混合气体N ₂ /H ₂ (5% H ₂)
HFC、HC和HFO的最低灵敏度	H ₂ /N ₂ : 1 * 10 ⁻⁵ cc/s等效R134a : 1 g/yr
工作原理	具有热传导采样气体评估功能的嗅探器
读数显示	4行液晶屏 带3音调声音信号的灯坡道 设定值10倍的饱和度指示 脱气倒计时 器可调节音量 环境污染指示
电源/消耗	230/110 V, 50/60 Hz, 25 W
电缆长度	1.5米
尺寸/重量	300x 200 x 150 mm / 5 kg
标准供应内容	电源线、带集成抽吸装置的传感器、吸嘴

公司简介

真空和制冷剂注装置

R10制冷剂处理系统

特殊装置

真空和制冷剂注射器

制冷剂输送泵

压力测试单元检漏仪

初步排空

电气和功能测试

超声波管封口机

IPCS和IPCS PLUS

真空、气体示踪剂和加压装置以及检漏仪

HLD 6000 (工业检漏仪)

HLD 6000

泄漏检测器结构紧凑，便于携带，具有很高的多功能性和使用速度。

适用于R134a、R404A、R407C、R410A、CO2和其他气体的版本。配备电源。



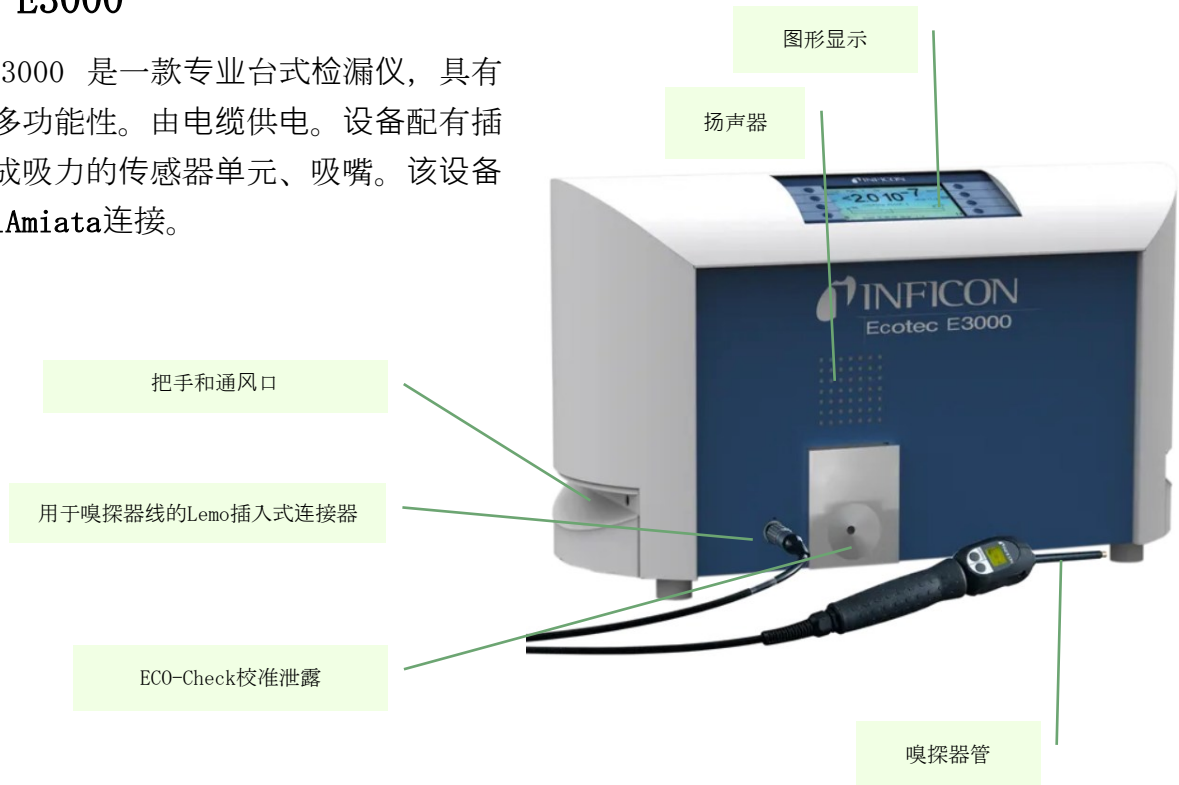
规格

检测能力	适用于R134a、R404A、R407C、R410A、CO2和其他气体的版本
灵敏度	1 - 50 g/yr
信号	数字
零	自动，具有环境污染自我补偿功能
反应时间	< 1 s
校准	通过参考内部校准泄漏，在几秒钟内即可实现
探头长度	4.8米
自动测试	可用，吸气流量320 sccm
工作温度	10-50 °C
尺寸 (高x直径) /重量	365 x 260 mm / 4.5 kg
电源/消耗	220/240 V - 50/60 Hz

Ecotec E3000 (工业检漏仪)

Ecotec E3000

Ecotec E3000 是一款专业台式检漏仪，具有高功能性和多功能性。由电缆供电。设备配有插入电缆、集成吸力的传感器单元、吸嘴。该设备可与加压站*iAmiata*连接。



规格

检测能力	气体CFC、HCFC、HFC、HC、He等
最大灵敏度	0.05 g/yr 1x10 ⁻⁶ mbar l/s (氦气)
信号	通过条形图的数字化
零	自动，具有环境污染自我补偿功能
同时检测气体数量	高达4个
数据库中的气体数量	超过100
反应时间	<0.8 s
校准	通过参考内部认证泄漏ECO，在几秒钟内即可实现。该操作可以通过外部仪器来完成。
探头长度	3米
自动测试	可用，吸气流量160 sccm
工作温度	10-45 °C
尺寸/重量	610 x 370 x 265 mm / 34 kg
电源/消耗	220/240 V - 50/60 Hz

公司简介

真空和冷媒充注装置

R22制冷剂处理系统

特殊装置

真空和充注注射器

制冷剂输送泵

压力测试单元检漏仪

初步排空

电气和功能测试

超声波密封口机

IPCS和IPCS PLUS

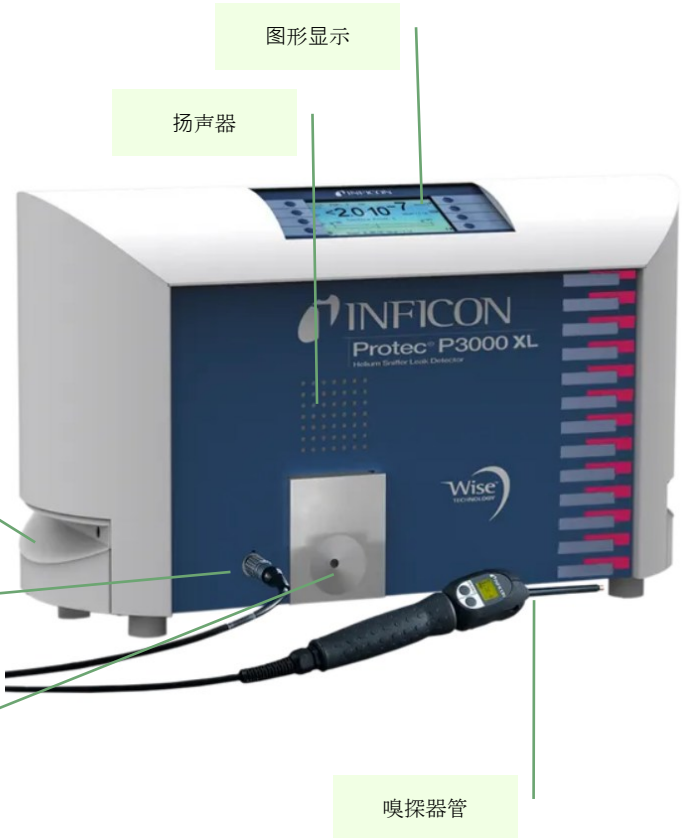
真空、气体示踪剂和加压装置以及检漏仪

Protec P3000 (工业检漏仪)

Protec P3000

Protec P3000 是一种具有高度多功能性的专业台式检漏仪。该设备可以连接到iAmiata和iFuji装置，以实现与泄漏检测过程相关的完整数据联通。

电缆供电。设备配有插入电缆、集成吸力的传感器单元、吸嘴



规格	PROTEC P3000	PROTEC P3000 XL
检测能力	氮	
最大灵敏度/范围测量	1×10^{-7} mbar l/s / 50年	1×10^{-7} mbar l/s / 50年
信号	通过条形图的数字化	
零	自动，具有环境污染自我补偿功能	
反应时间	< 700 ms	< 450 ms
校准	参考集成到仪器中的经校准泄漏认证的PRO-Check，几秒钟内即可完成	
探头长度	3 m，可根据要求提供不同长度	
自动测试	可用，气流吸气	可用，气流吸气
工作温度	10-45 °C	
尺寸/重量	610 x 370 x 265 mm / 27 kg	
电源/消耗	220/240 V - 50/60 Hz	