



# Gas analyser / identifier

## Market trend and risk of contamination

- EC Regulation 517/2014: Reduction of refrigerants with high Global Warming Potential (GWP)
- R134a: GWP 1430
- HFO1234yf: GWP 4 (350x lower)
- Since 2017 January 1<sup>st</sup>, a gas with GWP<150 is mandatory for new cars
- Risk of refrigerant contamination due to:
  - High price differences
  - Defective A/C systems
  - Incorrect behaviors of workshops
  - “parallel” import



### Ensure necessary purity or analyze the components of the refrigerant:

- Avoid repair costs of A/C systems
- Organize regulated disposal of contaminated refrigerants
- Avoid costs of decontamination of the A/C station
- Avoid possible legal actions

## Ecotechnics' solution: Gas Identifier / Gas Analyser

Most Ecotechnics A/C stations present the option of upgrading with a Gas Analyser or a Gas Identifier to protect the machine against contaminated refrigerants in order to offer safety and environmental protection, besides avoiding unexpected costs resulting from repair service of the contaminated machine. The hardware connection offers the benefit of an “external” unit: no contamination of the A/C station possible.

The Gas Identifier ensures adequate purity of the refrigerant with a “pass-fail” test.

The Gas Analyser detects the composition of the refrigerant, and the result provides information about their percentages.

R1234yf: 0 % | R22: 0 % | Air: 0%  
R134a: 100 % | Hydrocarb: 0 %

### Gas Analyser (HFO1234yf)

KIT.GAS perfectly integrated in the machine: no external space required



### Adapter kit R134a

KIT.GAS.R134a for gas analyser KIT.GAS



### Gas Identifier

XS180 for HFO1234yf  
XS185 for R134a



PART NUMBER	DESCRIPTION	Refrigerant Types																
		ECK FLAG (HFO)	ECK FLAG (R134a)	ECK NEXT PRO (HFO)	ECK NEXT PRO (R134a)	ECK NEXT (HFO)	ECK NEXT (R134a)	ECK TWIN 12	ECK 4000	ECK 4000 HFO	ECK 3900 PREMIUM (HFO)	ECK 3900 PREMIUM (R134a)	ECK 1900 PREMIUM (HFO)	ECK 1900 PREMIUM (R134a)	Cinquecento12 (HFO)	Cinquecento12 (R134a)	ECK BUS PRO	ECK LAND
XS180.000000	Gas identifier HFO1234yf									X	X							
XS185.000000	Gas identifier R134a											X						
KIT.GAS	Gas analyser HFO1234yf	X	X	X	X	X	X	X					X	X				
KIT.GAS.R134	Adapter kit R134a for gas analyser KIT.GAS		X		X		X	X						X				