



# FORMING GAS KIT & H2 DETECT

## ACCURATE & EFFICIENT AC SYSTEM LEAK DETECTION

Confirm Micro Leaks In R134a / R1234yf / R744 (CO2) Refrigerant Systems

Charge any system type with the Forming Gas at the desired pressure. Use the portable H2 Detect, to easily detect any hydrogen leak in the system.

### FORMING GAS CART TTF 700



Equipped with all the necessary tools to operate on A/C systems

### FORMING GAS CASE



Included with the Forming Gas cart TTF 700 as part of instrumentation

### H2 DETECT SNIFFER



Detects any hydrogen in the air with precision, allowing you to detect the leak location.



Meets Daimler AG's requirements for gas detectors because Forming Gas is a non-polluting and readily available gas mixture that consists of 95% nitrogen and 5% hydrogen.



H2



R134a



R1234yf

Hydrogen (H2) molecular size is much smaller than other refrigerant gas, so micro leaks can easily be detected. Hydrogen is present in the air in small quantities to be easily detected by a sniffer.

Most AC service can be resolved with a refrigerant recharge. But to safely diagnose the AC systems without overlooking the problem, efficient leak detection is a responsible decision and with collision repairs it is required. An AC system missing the confirmed quantity is a sign of a leak and repair is needed.

- Pure nitrogen may signal multiple leaks, but does not detect precise location.
- UV tracer doesn't provide immediate detection and requires later system flush.

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**ACCURATE & EFFICIENT AC SYSTEM LEAK DETECTION**



## FORMING GAS CART TTF 700

- Dimensions: 1180x590x668 mm; Weight: 24.5 kg
- Suitable for A/C systems: R134a, R1234yf, R744
- Forming Gas tanks\* supported up to 20 L
- Maximum pressure: 20 bar for R134a and R1234yf, 100 bar for R744
- Equipped with safety valve that opens completely in case the operating value is reached
- Manometer 100 bar, 100 mm CL1
- Service hoses: R134a (LP/HP) 3 m; R1234yf (LP/HP) 2.5 m; R744 (LP/HP) 2.5 m; Forming Gas tank 2.5 m
- Forming Gas tank pressure reducer: input operating pressure max 300 bar; output pressure max 100 bar
- Safety belt to secure the tank to the cart
- Forming Gas tank (sold separately / not included)



## FORMING GAS CASE

- Dimensions: 470x350x190 mm; Weight: 7 kg
- Set of adapters for the coupling of the Forming Gas tank
- Forming Gas tank pressure reducer: input operating pressure 300 bar max, output 100 bar max
- Connection kit for KONFORT 760 Touch / 780 Touch including: 150 mm hose, evacuation valve, safety valve
- Teflon seals

## H2 DETECT

- H2 measurement spectrum: from 0 to 2000 ppm
- Response threshold: the hydrogen concentration is measured in increases of 1 ppm
- Reaction time: 14 s
- The measuring sensor is positioned at the end of a flexible extension that is 200 mm in length.
- The tool also provides a visual and acoustic feedback about the hydrogen concentration
- Power supply: 2 x 1.5 V Mignon /AA
- Battery life: approx. 6 h (typical)
- Operating conditions: from -10 to 40 °C /from 14 to 104 °F
- Weight: approx. 200 g (battery included)
- EC directives: 94/9/EC (ATEX), 2014/30/EU

