


HRD 92 SC

GAS LEAK DETECTOR FOR REFRIGERANT GASES & H2/N2 TRACER GAS

DATASHEET



Refrigerant gases & H2/N2 tracer gas leaks detection for tightness control, by sniffing, at atmospheric pressure.

 HFO-HFC, R600 & R290, H2/N2

 Leak detection light bargraph

 Compact and robust housing

Application

Conception

Maintenance

The HRD 92SC is a hand-held leak detector used for tightness control applications. Sensor with high detection performances for all refrigerant gases and H2/N2 tracer gas.

Designed for intensive use, the HRD 92SC allows professionals to have a detector ensure reliability. Wear parts (sniffer pipe, cable and detection block) are directly interchangeable for easy maintenance.

Maintenance and supply of spare parts are provided directly by the manufacturer SAPRE.



1 Light baragraph

progressive light baragraph indicating the estimate of the leakage value according to the sensitivity setting. Audible signal.

1 Gas selector

gas family selection button [HFO], [HFC-H2/N2], [HC].

1 Sensitivity selector

3 sensitivity positions: x1, HI et LO.

1 Detection block

detection unit with quick plug for easy replacement, including the detection cell and the suction system.

1 Double plug cable

double plug cable for easy replacement.

1 Flexible pipe

flexible pipe and filter easily replaceable.



Rubber protection 

Specifications

Housing	Shockproof plastic case, Height 22 cm, Width 6.5 cm, Depth 3 cm, Weight 0.350 kg
Power supply	Build-in rechargeable batteries, Autonomy 6h. Full recharge approx. 12 hrs.
Uses	For worksite and maintenance applications. Optimal performance between 10 and 40 °c. Non Explosion Proof Detector. Never use in a hazardous or explosive atmosphere.
Measuring bloc	Detection Bloc with suction for the best localisation of the leak and a fast response and degassing time, designed for intensive use [option : front light] - Electrochemical cell. - Quick plug for easy replacement. - Universal block HFC, HFO, R600, R290, H2/N2 or Specific block H2/N2 mixture. - Interchangeable flexible pipe and fiber filter.
Cable	Spiral cable with double socket, length 1 meter relaxed.
Warming-up	Cell heating time: 60 seconds approx.
Response time	1 second approx.
Sensitivity	- 1 g/yr for HFC, HFO - 0.5 g/yr for R600 & R290 - 1.10-5 cc/s for tracer mixture H2/N2 [equivalent approx. 1 g/yr refrigerant gases]
Calibration	Automatic calibration and zeroing to ambient. 3 presets positions of sensitivity : HI, x1, LO.
Light rail	Graduated light bar: x1, x2, x3, x5, x10 for an estimate of the leakage value. Degassing indicator, audible signal after graduation x3.
Warning lights	«Contamination-Saturation» indicator, progressive ignition indicating ambient contamination or saturation if a large leak is detected.
Carrying case	Detector supplied complete in transport case with mains charger and user manual.

For more information on our products, applications and services, contact our sales department.