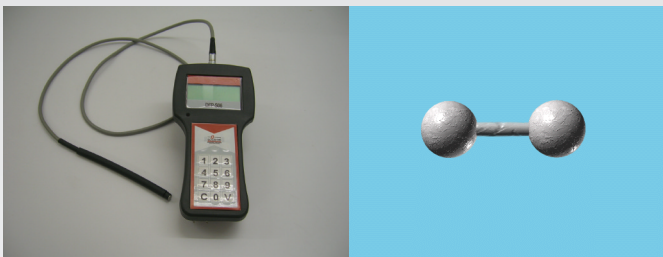


PORTABLE LEAK DETECTOR Hydrogen Method

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More than 40 years at your service

The logo for Soderel, featuring a stylized orange 'S' above the word 'soderel' in a bold, sans-serif font. Below the logo, it reads 'DÉPARTEMENT REMPLISSAGE' and 'www.soderel.com'. The logo is flanked by a cluster of colorful icons representing various services: a purple icon with a triangle, a grey icon with a water tap, an orange icon with a water tap, a green icon with a water tap, a blue icon with a snowflake, and a red icon with an exclamation mark.

Portable Leak detector

The DFP-S06 has been specially developed for the leak detection and localization by using hydrogen as tracer gas.

It detects and locates all hydrogen traces in the ambient air. No other equipment is necessary (vacuum pump, water bath, ...).



Two mains functions:

The instrument has two functions:

- . **The detection mode** is used for the fast detection and localization of a leak.
- . **The analysis mode** is used to determine the concentration of hydrogen in the air and thus to estimate the leak size. Measurement is taken in ppm. The estimation of the leak is carried out according to the application, for example in cm^3/s , in Pa/s ,...

The DFP offers you:

. **high sensitivity to hydrogen** - usable with two types of probes, the DFP-S06 can detect and locate leaks of about 0,5 ppm to 500 ppm.



. **big facility of use** - portable, the DFP-S06 combines lightness and robustness.



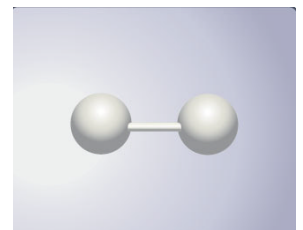
Portable Leak detector

- . **An exemplary power** - equipped with two microcontrollers, it ensures a flexible management and a fast response time.
- . **A total flexibility** - it is equipped with an intuitive menu and a system of multiple configurations which can adapt to all the spheres of activity.
- . **Respect for the environment** - the DFP-S06 fulfills the requirements of the DEEE/RoHS Directive.



The advantages of hydrogen as tracer gas:

- . it is the cheapest tracer gas
- . it is neither toxic nor dangerous to the environment
- . it is a renewable natural resource
- . it is the lightest and least viscous of all gases
- . it spreads very quickly throughout the test object and seeps easily through the smallest leak. It is easy to eliminate it from the zone.



Pure hydrogen is never used as a tracer gas because it is inflammable. The used tracer gas is a gas mixture comprising 5% Hydrogen gas and 95% Nitrogen gas. This gas mixture is neither inflammable (see ISO 10156), toxic, nor corrosive.



Portable Leak detector

Features:

Power supply: internal rechargeable battery and/or external power supply

Autonomy: 8 hours for the probe of type 1 and 4 hours for the probe of type 2 (of continuous use)

Start up time of the sensor: 3 min approx.

Response time: < 2 sec

Recovery time: < 10 sec

Operator interface:

- 4X20 character display

- Visual representation by bar graph

- Digital display of the leak value

- Luminous indicator

- Sound warning signal

Adjustment: possibility of regulating several rejection and alarm thresholds

Operating conditions:

- Temperature: +5°C to +35°C

- Humidity: 90% maximum

- Hydrogen concentration in the ambient air: 0,5 ppm maximum

Storage conditions:

- Temperature: -20°C to +60°C

Maintenance: none

Calibration: by calibration gas

Sensitivity: 0,5 ppm H₂

Dimensions: 270 x 116 mm

Weight: 600g, battery included



Portable Leak detector

Options/Spare parts:

Sector adapter*

Charging station

Probe of type 1*
for concentrations strictly lower than 100 ppm

Probe of type 2*
for concentrations between 100 and 500 ppm

Certificate of calibration

Foreign languages
English, German, Spanish

** The apparatus is provided with the sector adapter and one of the two probes according to your order*

Services:

One-year guarantee with possibility

of a five-years extension
of annual checking and calibration

