

SniffIT

HELIUM & HYDROGEN SNIFFER

SniffIT X1[®]



“First mobile leak detector with real sensitivity”

Specialist in leak testing & leak detection since 1973

nolek

- Leak Testing -

SIMPLE, MOBILE, ACCURATE & AFFORDABLE

Nolek, the world's leading expert in leak testing & detection since 1973, is proud to present a new unique product series of gas leak detectors. The first one to be released is: SniffIT X1[®] designed for sniffing both Helium and Hydrogen. SniffIT X1[®] is a handheld battery powered leak detector based on a novel patented SniffIT technology[®].

SniffIT X1[®] is ergonomic and the smallest high quality instrument on the market, it weighs approximately 300g (0.66 lbs). The smallest detectable levels of Helium and Hydrogen with SniffIT technology[®] is 1×10^{-6} mbar.l/s, making the technology one of the most sensitive in the marketplace today. The flexibility to detect both Helium and Hydrogen makes SniffIT X1[®] independent of the tracer gas used for leak detection, and is the only one of its kind.

With SniffIT technology[®] the sensor never gets saturated and consequently the instrument has no variable costs unlike most alternatives. At the same time it has instantaneous reaction time and no start up time, just push the ON button and start sniffing. SniffIT X1[®] is built and developed to meet four criteria:

- **SIMPLE:** not operator dependent, simply press ON and if Helium or Hydrogen leaks from a product it is shown on a LED bar. The color on the LED scale changes depending on the leak rate detected.
- **MOBILE:** It is not bigger than a human hand, weighs 300g (0.66 lbs) and has 10 hours of battery capacity.
- **ACCURATE:** SniffIT gives very accurate results based on a reliable unique technology.
- **AFFORDABLE:** SniffIT X1[®] is the least expensive high quality sniffer on the market, less than half the price compared to alternatives and there are no hidden variable costs.

SniffIT X1[®] is the most revolutionary product ever launched within the leak testing and detection industry. It is smaller, more accurate and less expensive than all other comparable alternatives making the decision to invest in leak detection simple.

The SniffIT X1[®] at a glance



1. Replaceable filter
2. Flexible probe
3. Flashlight LED
4. Serial no.
5. Flashlight button
6. LED bar with indication bars
7. Auto Zero button
8. Power indicator
9. Power Jack
10. Charging indicator
11. On/Off switch

AFFORDABLE

The SniffIT X1[®] is the lowest priced high sensitivity sniffer in the marketplace today. The SniffIT X1[®] also has added cost benefits with its short response time, high accuracy, short recovery time and no variable costs. Most importantly, the SniffIT X1[®] will detect even the smallest leak and will save money in terms of shorter time used testing a specific object.

MOBILE

One important feature of the SniffIT X1[®] is that it is very small, light and handy. It is ergonomically designed for long term use.

In order to start looking for leaks one simply has to push the on button and start moving the SniffIT X1[®] probe across an area that could contain a possible leak.

ACCURATE

The revolutionizing SniffIT[®] Technology makes the SniffIT X1[®] very fast and accurate in detecting leaks. The immediate leak detection response means that the operator will detect the leak at the same time as passing by the actual leak. Conventional sniffers can take up to five seconds, which is very time consuming.

SIMPLE

The main idea behind the SniffIT X1[®] is that it should be easy to use and easy to understand with as few buttons as possible.

When one buys the SniffIT X1[®] it comes in a carrying case with a charger and two sniffer probes ready to be used instantly.



APPLICATIONS

Below are just some examples where SniffIT X1 can be used:

- Complement your leak test with leak detection by locating leaks on rejected parts by pressure decay test.
- Test your engines, pumps, valves, gear boxes etc. After you have leak tested your product with pressure decay fill the product with helium or hydrogen and find the exact leak location with SniffIT.
- Test your product in a simple and manual way.
- For heat pumps after leak testing your complete pump, find the exact leak location with SniffIT.
- Tanks often have too large volume for pressure decay and complete helium system are expensive. Fill the product with Helium and Hydrogen and find your potential leaks, quick and efficient without any messy and inaccurate leak detection sprays.
- Testing of brake pipes and ABS systems after installation.
- Surface testing for water and oil tightness of engine blocks and other automotive parts.
- Location of internal leaks in valves etc.
- Test Automotive oil coolers.
- Test Pharmaceutical packages.
- Test Valves and valve manifolds
- Test welded seams on tanks.
- Clamp testing of joints with very high sensitivity.
- Ideal for Leak testing in small volume production
- Use for testing new products and statistical samples as well as inline production testing.
- Analysis of potential leak points by locating leaks on rejected products.
- Regardless if the product is small or big, hot or cold, if you use Helium or Hydrogen, SniffIT X1 can find your leaks.

TECHNICAL DATA SniffIT X1®

Battery capacity	10 hours
Charging time	1,5 hours
Dimensions HxWxD	131x171x50 mm (5.16x6.73x1.97")
Weight	296 gram (0.65 lbs)
Detectable gases	Helium and Hydrogen
Recommended concentration and mixture	Helium: 5-100% He, Hydrogen: 5%H ₂ , 95%N ₂
Sensitivity Helium	2x10 ⁻⁶ mbar.l/s
Sensitivity Hydrogen	1x10 ⁻⁶ mbar.l/s
Response time	< 0,1 second
Recovery time	< 1 second
Operating Temperature	10-40°C (50-104°F)
Storage temperature	-10°C to 60°C (14-140°F)
Humidity	85% RH NC
Input Voltage	9 V(dc)
Input Current	600 mA max
Signal presentation	LED bar; green, yellow and red LEDs
Probe lengths included in package	50mm (1.97") and 200mm (7.87") are included
Package	Airtight weather case included

Dimensions



SIMPLE: Turn it ON and start sniffing.

MOBILE: It is not bigger than a human hand, weighs 300g (0.66 lbs) and has 10 hours battery capacity.

ACCURATE: SniffIT has very accurate results based on a reliable technology.

AFFORDABLE: least expensive sniffer on the market.

If you need to charge your product with either helium or hydrogen before you use your SniffIT, please see the Nolek ChargeIT-series of instruments which is built for that exact purpose.

For more information please visit: www.nolek.com

