

SniffIT

HELIUM & HYDROGEN SNIFFER

SniffIT X1 Digital®

NEW



“First mobile leak detector with real intelligence”

Specialist in leak testing & leak detection since 1973

nolek

40

Years

1973-2013

- Leak Testing -

SIMPLE, MOBILE, ACCURATE & AFFORDABLE

Nolek, the world's leading expert in leak testing & detection since 1973, is proud to present a new generation of the unique SniffIT X1[®] product series of gas leak detectors. The new SniffIT X1Digital[®] is fully digitalized with a screen that shows both quantitative numeric measurement values as well as graphical leak indications.

The new SniffIT X1[®] Digital contains temperature, pressure and humidity sensors that ensures very accurate measurements and a whole new level of sensitivity in the handheld leak detector market. The SniffIT X1 Digital[®] also has built in intelligence which in combination with the SniffIT Technology Sensor[®] literally revolutionizes the gas detection market, as it is today.

The SniffIT X1 Digital[®] can log and store large amounts of measurement data. Simply attach the sniffer to a computer via a USB and transfer data. Software upgrades will be available through the Nolek.com website, and will be easy to install by connecting the SniffIT X1 Digital[®] to the computer.

SniffIT X1 Digital[®] is ergonomic and the smallest high quality instrument on the market, it weighs approximately 320g (0.7 lbs). The smallest detectable levels of Helium and Hydrogen with the SniffIT Technology Sensor[®] 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 Digital[®] independent of the tracer gas used for leak detection, and it is the only one of its kind.

The SniffIT X1 Digital[®] at a glance



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 an easily navigated menu screen.

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[®] Digital 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.

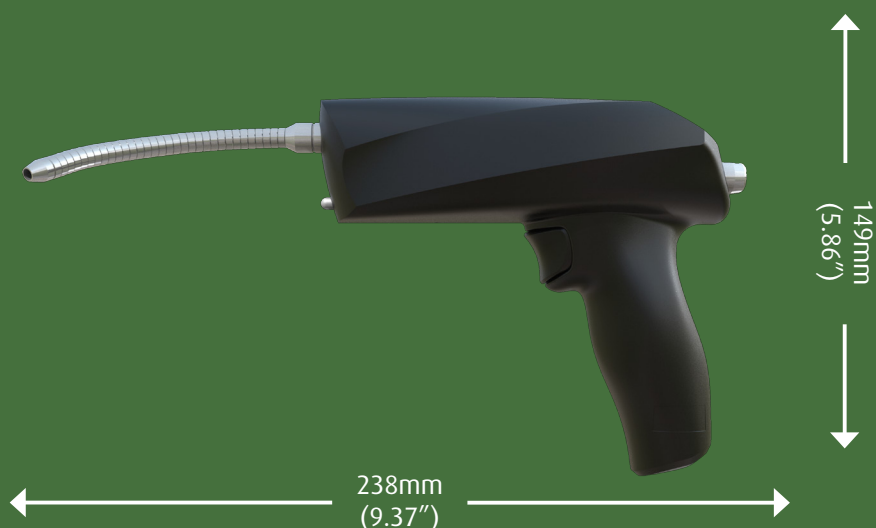
TECHNICAL DATA SniffIT X1®

Product Comparison

Battery capacity	10 hours
Charging time	2 hours
Dimensions HxWxD	149x238x55mm (5.86x9.37x2.17")
Weight	320 gram
Detectable gases	Helium and Hydrogen
Recommended concentration and mixture	Helium: 5-100% He, Hydrogen: 5%H ₂ , 95%N ₂
Sensitivity Helium	1x10 ⁻⁶ mbar.l/s
Sensitivity Hydrogen	1x10 ⁻⁶ mbar.l/s
Response time	< 0,1 second
Recovery time	< 1 second
Operating Temperature	0-40°C (32-104°F)
Storage temperature	-10°C to 60°C (14-140°F)
Humidity	85% RH NC
Input Voltage	5 V(dc)
Input Current	500 mA max
Signal presentation	OLED screen with various GUI options
Probe lengths included in package	50mm (1.97") and 200mm (7.87") are included
Package	Airtight weather case included

Product	X1 Pro	X1 Lite
Sensitivity 10-6 mbar.l/s range	X	
Sensitivity 10-4 mbar.l/s range	X	X
Locating leaks w/ bar graph	X	X
Quantitative measurements of leak rates	X	
Logging possibilities	X	
Built in SD card	X	X
Barcode scanning option	X	
Alarm level	X	X
50 mm probe	X	X
200 mm probe	X	
Vibration alarm	X	X
Audio alarm	X	X
Digital display	X	X
Portable casing	X	X
Wrist strap	X	X
2 extra filters	X	
USB Charger	X	X
Multiple gas detection	Helium, Hydrogen	Helium, Hydrogen

Dimensions



SIMPLE: Turn it ON and start sniffing.

MOBILE: It is not bigger than a human hand, weighs 320g (0.7 lbs) and has 10 hours battery capacity.

ACCURATE: SniffIT provides 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



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