Sensistor® Sentrac® Hydrogen Leak Detector

The perfect alternative to soap spray and water bath

INFICON

Inspired by visions. Proven by success.

Find all leaks – fast

The Sensistor Sentrac hydrogen leak detector is a modern instrument for leak detection in industrial applications, suitable for both production and repair lines. Highly sensitive and easy to use, the unit is an ideal choice for finding small leaks that soapy water would miss, as well as those larger leaks that would blow the soap away.

QUICK AND RELIABLE LEAK TESTING

Combining unmatched leak detection capabilities with user-friendly technology and a low cost per test, Sensistor Sentrac is the optimal alternative to simpler methods like water bath and soap spray testing. Perfect for when you need to pinpoint the exact location of a leak, for instance after a pressure decay test, Sensistor Sentrac provides precise and measurable leak alerts – preventing leak detection from becoming a visual guesswork.

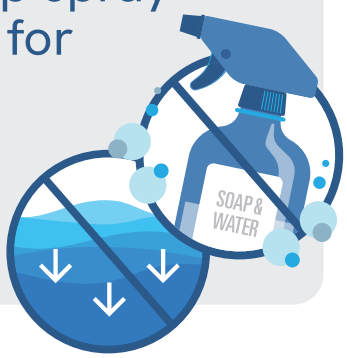
Based on a proprietary sensor technology, Sensistor Sentrac pinpoints both small and bigger leaks quickly and precisely – even in hard-to-see-places and regardless of the test object shape – thus improving efficiency and reducing the time needed for leak detection.

LEAK TESTING MADE EASY

The Sensistor Sentrac leak detector can be set up easily and is ready for use in just a few minutes. Unlike other more time-consuming methods, the unit does not use slippery liquids. This not only makes it optimal for vertical surfaces, where soap would hardly stick – it also eliminates fall hazards and the time needed for cleanup after the test. Furthermore, as the unit has no moving parts, maintenance is reduced to a minimum.

Still using soap spray or water bath for leak locating?

Switch to Sentrac!



ADVANTAGES AT A GLANCE

Highly reliable leak test results
High sensitivity to locate surprisingly small leaks, even in intricate surface areas. Precise measuring capabilities to quantify leaks after localization.

Safe and dry, non-destructive process
Using a safe, standard tracer gas mix, the instrument allows for clean operation without slippery fluids – eliminating hazard risks and the time for cleanup and drying.

Portability and ease of use
Lightweight and easy to move around, the unit is also easy to set up and the sensor is easily changed by the operator.

Maximum cost effectiveness
Test efficiency saves time and prevents costly recalls. The unit requires minimal maintenance and features low operating costs.

SENSISTOR SENSOR TECHNOLOGY

Sentrac incorporates the proven Sensistor sensor technology developed for using forming gas (5% hydrogen in nitrogen) as tracer gas. The test is done by injecting the gas into the component to test. Switch on the detector, move the hand probe over the test object and let the alarm indication guide you quickly to the leak.

INTUITIVE INTERFACE

"Measure", "Locate" and "Combined" screen displays, adjustable audio/visual indicators and easy set-up improve efficiency of the operator's work.

HAND PROBE MODELS FOR ALL NEEDS

The unit can be operated with the Strix® or the P60 hand probe. If you search for very small leaks, the Strix hand probe will offer improved performance. Flex neck options are available.

ROBUST PROBE CABLES

Available in 3, 6 and 9m (9.8, 19.6 and 29.5 ft.) lengths, for a variety of situations.

DETECTOR MODELS

Stationary desktop model
For operation with AC power. Small footprint for effective leak detection in a variety of production environments.

Battery-powered portable model
Long operation life per charge, the perfect choice to easily serve multiple production or repair lines.

Panel model
has the same functions as the desktop model, but designed for panel mounting into fully or semi-automatic systems.

SPECIFICATIONS

Min. detectable leak (Locating Mode)	5 x10^{-7} mbarl/s or cc/s with 5% H_2
Min. detectable leak (Measuring Mode)	0.5 ppm H_2; 5x10^{-7} mbarl/s or cc/s with 5% H_2
Start time	40 sec
Calibration	External calibration leak or calibration gas
In- and outputs	Probe Control Port (Digital 5 in/15 out), 24V (dc) USB-C (RS232, USB-Memory) BM1000 (Expansion Communication Module)
Maintenance	Maintenance free
Power supply	Desktop model: 100–240 V (ac), 50/60 Hz, 67 W max. load Portable model: Internal rechargeable battery* (Li-Ion) Panel model: 24 V(dc), 2.2 A
Dimensions (W x H x D)	Desktop model: 305 x 166 x 188 mm (12 x 6.5 x 7.4 in.) Portable model with case: 330 x 200 x 280 mm (12.9 x 7.8 x 11 in.) Panel model: 305 x 155 x 144 mm (12 x 6.1 x 5.7 in.)
Weight (exclusive probe, probe cable and case)	Desktop model: 3.5 kg (7.7 lb.) Portable model: 4.0 kg (8.8 lb.) Panel model: 2.2 kg (4.8 lb.)
Operating time (battery model)	15 hours
Charge time (battery model)	14.5 hours (8 hours charging will give about 8 hours of operation)

*Charger supplied, 100-240 V, 50/60 Hz, 0.3 A

ORDERING INFORMATION

PRODUCT	Cat. no.
Leak Detector	
Sensistor Sentrac, desktop model	590-970*
Sensistor Sentrac, portable model	590-971
Sensistor Sentrac, panel model	590-972
Probes	
Strix Hand Probe, rigid neck	590-730*
Strix Flex Hand Probe, flexible neck	590-740
P60 Hand Probe, rigid neck	590-890
P60 Flex Hand Probe, flexible neck	590-892
C21 Probe cables	
3 m (9.8 ft.)	590-161*
6 m (19.6 ft.)	590-175
9 m (29.5 ft.)	590-165
ACCESSORIES	
Calibration Leaks	See separate data sheet
SPARE PARTS	
Replacement Sensor for Strix Hand Probe	590-290
Replacement Sensor for P60 Hand Probe	590-292

*Recommended kit

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