



Sensistor Sentrac™ Hydrogen Leak Detector

Advanced Technology Made Easy





All the information you need— in the palm of your hand

Sensistor Sentrac is easy to use and reduces the risk of human error so leak detection is performed reliably, product after product during a long work shift. The important interaction between the operator and the instrument was central to developing the Sensistor Sentrac, particularly with the new hand probe P60. With a clear OLED display, the probe provides search results in the operator's hand. The display visualizes parameters which facilitate leak detection—for example, a search bar, which indicates distance to the leak, leak size and leak limit. Thanks to the I-Guide mode, up to 25 test points can be tested and measurements summarized to determine if the overall leak rate is under or above the leak limit. The multifunction button on the probe handle has many uses such as toggling between modes and starting measurements. Finally, the robust probe is made of aluminium and stainless steel while being flexible and well balanced to fit in smaller hands.

To facilitate leak detection is no longer a challenge

In production environments, the focus is on quality; about the need to detect any failure and the ability to pinpoint it precisely. A leak can be microscopic, small, very large or huge. The problem is that nothing is ever known about the size of the leak until it presents itself. And that affects your choice of which leak detector to use.

To make it easier for you to choose, INFICON has developed the Sensistor Sentrac Hydrogen Leak Detector with:

- **High sensitivity**—finds the smallest leak relevant to your application in manufacturing and service
- **Large dynamic range**—handles a wide range of leaks
- **Short recovery time**—quickly returns to high sensitivity even when a huge leak occurs
- **Fast leak locating**—delivers a precise, intuitive and time efficient leak test

ADVANTAGES AT A GLANCE

- Detect a wide range of leaks thanks to the unique combination of high sensitivity, high selectivity, great dynamic range and fast recovery time
- No pump, no maintenance
- Suitable for both manual and robot-assisted leak detection
- Robust and resilient for industrial environments
- Lightweight and easy to carry
- Available as desktop or battery operated model

APPLICATIONS

Suitable for a broad spectrum of production applications such as:

- Automotive
- Refrigeration and Air Conditioning (RAC)
- Aerospace
- Manufacturing industry, e.g. pipes, valves, couplings, hoses, containers

DETECT A WIDE RANGE OF LEAKS

Sensistor Sentrac is the perfect fit for industrial applications where it is important to locate leaks quickly and where leak testing in the production flow must not be impeded by any individual large tracer gas leak. The instrument detects and locates leaks with a size variation within ten decades and is the ideal choice for testing products that should be leak tight for fluids. Locating leaks in production and maintenance situations has never been easier.



Battery-powered portable model with long operation life per charge. The perfect service instrument.

INTUITIVE INTERFACE

- Large color touch-screen
- Clearly laid-out user interface
- Ready in a minute
- Possibility to choose between Locating, Measuring or Combined Mode
- Password protected user levels



ERGONOMICALLY DESIGNED P60 HAND PROBE

- With hard or flexible neck
- Built-in lighting helps precisely position the probe tip
- OLED display for maximum readability at different viewing angles and light conditions
- Multi-function button
- Robust (made of aluminium and steel) and well-balanced



SENSISTOR SENSOR TECHNOLOGY

Sensistor Sentrac incorporates the proven Sensistor Sensor Technology developed for using forming gas (5% hydrogen in nitrogen) as tracer gas. This hydrogen gas sensor, which relies on diffusion, is extremely sensitive and selective. It is placed in the probe tip and can be easily water protected to allow for leak locating on wet objects. Sensor replacement is performed easily within seconds.



EASY BACK-UP AND CONNECTORS

- USB for PC connection
- Plug-and-play for accessories
- SD card reader for settings back-up and recording data
- Analog output, Digital in- and outputs, Serial Port
- Probe cable connectors on both detector front and back



A NUMBER OF ACCESSORIES EXTEND THE RANGE OF APPLICATIONS

- P60 Flex Hand Probe
- R50 Robot Probe
- Test leaks
- C21 probe cable up to 9 meters (29.5 ft.) long
- Probe tip protection caps



SPECIFICATIONS

Min. detectable leak (Locating Mode with P60 Hand Probe)	5 x10 ⁻⁷ mbarl/s or cc/s with 5% H ₂
Min. detectable leak (Measuring Mode with P60 Hand Probe)	0.5 ppm H ₂ ; 5x10 ⁻⁷ mbarl/s or cc/s with 5% H ₂
Start time	1 min
Calibration	External test leak or calibration gas
In- and outputs	25 pin, D-Sub with following interface: -RS232 -Audio line out -Analog out -Digital 3 in/4 out, 24 V (dc) USB (slave) SD card reader
Maintenance	Maintenance free
Power supply	Desktop model: 100–240 V (ac), 50/60 Hz, 2 A Battery model: Internal rechargeable battery* (Li-Ion)
Dimensions (W x H x D)	Desktop model: 305 x 165 x 182 mm (12 x 6.6 x 7.2 in.) Battery model with case: 330 x 200 x 280 mm (12.9 x 7.8 x 11 in.)
Weight (exclusive probe and probe cable)	Desktop model: 4.2 kg (9.2 lb.) Battery model: 4.8 kg (10.5 lb.)
Operating time (battery model)	12 hours (without screensaver)
Charge time (battery model)	6.5 hours

* Charged using adapter supplied, 100-240 V, 50/60 Hz, 0.3 A

ORDERING INFORMATION

PRODUCT	Cat. no.
Sensistor Sentrac, desktop model (Incl. Hand Probe P60 and 3 m C21 probe cable)	590-900
Sensistor Sentrac, portable model (Incl. Hand Probe P60 and 3 m C21 probe cable)	590-910
ACCESSORIES	
Hand Probe P60	590-890
Hand Probe P60 Flex, 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
Robot Probe R50 (incl. 3 m C21 cable and Combox60)	590-921
Probe tip protection caps, 50 pack (for P60, P60 Flex)	591-273
Probe tip protection caps, 500 pack (for P60, P60 Flex)	590-625
Probe tip filter, 50 pack (for P60, P60 Flex)	591-234
Test leaks	see separate data sheet
SPARE PARTS	
Sensor	590-292



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Due to our continuing program of product improvements, specifications are subject to change without notice.
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