

# Sensistor Sentrac

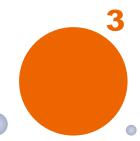
**Hydrogen Leak Detector** 



HIGH SENSITIVITY, LARGE DYNAMIC RANGE
AND SHORT RECOVERY TIME
-FOR BOTH BIG AND SMALL LEAKS

# The challenge to assure quality

In production environments, the focus is on quality; about the need to detect any leak 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 optimal leak detector.



What you need is an instrument that features:

- High sensitivity to find the smallest leak relevant to your application in manufacturing and service
- 2 Large dynamic range to handle leaks of greatly varying size
- Short recovery time to quickly return to high sensitivity even when that huge leak occurs

To make it easier for you to choose, INFICON has developed the Sensistor Sentrac leak detector with a greater dynamic range and great tolerance to high concentrations of tracer gas. It incorporates the proven Sensistor sensor technology developed for using diluted hydrogen as tracer gas. The Sensistor Sentrac can detect and locate leaks with a size variation within ten decades. Locating leaks in production and maintenance situations has never been easier.

Sensistor Sentrac is the perfect fit for demanding 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 leaks of greatly varying size and is ideal for testing products that should be leak tight for fluids.

### BENEFITS AND FEATURES AT A GLANCE

- Multi purpose instrument for quick, safe leak detection
- Suitable for both manual and robot-assisted leak detection
- Unique combination of high sensitivity, high selectivity, great dynamics and fast recovery time
- Portable model for service applications, e.g. heat exchangers in industrial production
- Suitable for a broad spectrum of production applications:
  - Automotive industry
  - Aerospace
- Refrigeration and air conditioning (RAC) technology
- Manufacturing industry, e.g, for piping, valves, couplings, hoses and containers



#### **MODELS**

#### **DESKTOP MODEL**

Stationary desktop model for mains operations. This instrument has a small footprint for effective leak detection in a variety of production environments.



#### PORTABLE MODEL

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



#### **ACCESSORIES**

A number of accessories are available for the Sensistor Sentrac to extend its range of applications.



### HAND PROBE P60 (STANDARD)

Ergonomically designed probe with display and multifunction button for effective manual leak detection.



### HAND PROBE P60 FLEX

Like the P60, but with a flexible and extended neck. Facilitates leak detection in hard-to-reach places and on irregularly shaped products.

## **Sensistor Sentrac**





### **ROBOT PROBE R50**

Fits easily onto most types of industrial robots. Designed to provide maximum accessibility even when detecting leaks on complex shapes.



#### **CALIBRATION LEAKS**

Tracer gas leaks for calibration and function testing of Sentrac.



#### **C21 PROBE CABLES**

For connection of hand or robot probe to Sentrac. Available in 3, 6 and 9 m (9.8, 19.6 and 29.5 ft.) lengths to match all measuring situations.

# is easily met with Sensistor Sentrac

The challenge of detecting and locating each relevant leak and improving quality control is just the beginning. The next hurdle is making it easy for the operator to do things properly and consistently. Sensistor Sentrac reduces the risk of operator error so leak detection is performed reliably, product after product during a long work shift.

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

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. The robust probe is made of aluminium and stainless steel while being flexible and well balanced to fit in smaller hands. The measurement is easily controlled with a single multifunction button on the probe handle.







The search results are presented on the hand probe's screen, simplifying leak detection.

Smallest detectable leak	Sensistor Sentrac, desktop model  1x10 <sup>-7</sup> mbarl/s or cc/s with 5% H <sub>2</sub>	Sensistor Sentrac, portable model
	1×10-7 mbort/s or co/s with 5% H	
	1v10-7 mbort/s or co/s with 5% H	
Locating Mode with P60 Hand Probe	TATO TIDATI/S OF CC/S WILLT 3 /0 TI <sub>2</sub>	1x10 <sup>-7</sup> mbarl/s or cc/s with 5% H <sub>2</sub>
	0.5 ppm $H_2$ ; $5x10^{-7}$ mbarl/s or cc/s with 5% $H_2$	0.5 ppm $H_2$ ; $5x10^{-7}$ mbarl/s or cc/s with $5\%$ $H_2$
Start time	1 min	1 min
Calibration	External calibration leak or calibration gas	External calibration leak or calibration gas
	25 pin, D-Sub with following interface: -RS232 -Audio line out -Analog out -Digital 3 in/4 out USB (slave) SD card reader	25 pin, D-Sub with following interface: -RS232 -Audio line out -Analog out -Digital 3 in/4 out USB (slave) SD card reader
Maintenance	Maintenance free	Maintenance free
Power supply	100-240 V (ac), 50/60 Hz, 2 A	Internal rechargeable battery* (Li-Ion)
Dimensions (W x H x D)	305 x 165 x 182 mm (12 x 6.6 x 7.2 in.)	330 x 200 x 280 mm (12.9 x 7.8 x 11 in.) (with case)
Weight (excl. probe and probe cable)	4.2 kg (9.2 lb.)	4.8 kg (10.5 lb.)
Operating time	_	12 hours (without screensaver)
Charge time	_	6.5 hours

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

ATION	
	Part Number
Sensistor Sentrac, desktop model (Incl. Hand Probe P60 and 3 m C21 probe cable)	
Sensistor Sentrac, portable model (Incl. Hand Probe P60 and 3 m C21 probe cable)	
Hand Probe P60	
Hand Probe P60 Flex, flexible neck	
Robot Probe R50 (incl. 3m C21 cable and Combox60)	
Probe tip protection caps, 50 pack (for P60, P60 Flex)	
Probe tip protection caps, 500 pack (for P60, P60 Flex)	
Probe tip filter, 50 pack (for P60, P60 Flex)	
3 m (9.8 ft.)	590-161
6 m (19.6 ft.)	590-175
9 m (29.5 ft.)	590-165
	See separate data sheet
	590-292
	odel (Incl. Hand Probe P60 and 3 m C21 probe cable) nodel (Incl. Hand Probe P60 and 3 m C21 probe cable)  ole neck C21 cable and Combox60) 0 pack (for P60, P60 Flex) 00 pack (for P60, P60 Flex) P60, P60 Flex) 3 m (9.8 ft.)

