Sentrac Strix® Edition Hydrogen Leak Detector

Leak Location on Food Packages

Accurate Leak Location on Food Packages

All over the world food manufacturers strive to deliver high quality and long shelf life products. Packages may need to be leak tested to prevent food quality degradation and compromising safety for the consumer. The Sentrac Strix Edition Hydrogen leak detector offers a clean, reliable leak detection solution to the food market.

ADVANTAGES AT A GLANCE

- Leak testing of packages after filling and sealing
- High sensitivity for leak location of very small leaks
- Rapid recovery for quick test throughput
- Clean and dry leak detection method
- Inexpensive and safe tracer gas, approved as food additive (E949, E941)

RAPID LEAK LOCATION WITH HYDROGEN

High tightness requirements and short cycle times within the food industry make quick and reliable leak testing of packages extremely important. Sentrac Strix Edition allows for quick and reliable leak location responding perfectly to market needs. The instrument is characterized by high sensitivity and rapid recovery time, which makes it the ideal choice for pinpointing all leaks, even that minute leak occurring after a large one. Together with the Contura® Seal Tester from INFICON, the Sentrac Strix Edition leak detector makes the winning combination for detecting and locating leaks on food packages, no matter the form, the content or the packaging material. The detector can also be used as a stand-alone solution.

SAFE TRACER GAS

Hydrogen tracer gas is particularly suited for leak testing applications as it is a safe and inexpensive standard mix of 5% hydrogen (E949) and 95% nitrogen (E941). These gases are commonly used as packaging gases and are approved as food additives.

SNIFFER METHOD

This method is well suited each time there is a need to identify the exact location of the leak after a leaking package has been rejected. In practice, after the integral test with the Contura Seal Tester indicates the presence of a leak, the package is filled with hydrogen tracer gas. Hydrogen escaping from the leaking seal will be detected by the sniffer probe. Once the leak has been located it is possible to repack the content or reseal the package.

SENTRAC STRIX EDITION HYDROGEN LEAK DETECTOR

SPECIFICATIONS	
Min. detectable leak (Locating Mode with Strix Hand Probe)	5 x10^{-7} mbarl/s or cc/s with 5% H_2
Min. detectable leak (Measuring Mode with Strix Hand Probe)	0.5 ppm H_2; 5x10^{-7} mbarl/s or cc/s with 5% H_2
Start time	30 sec
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.
Sentrac Strix Edition, desktop model (Incl. Strix Hand Probe and 3 m C21 probe cable)	590-830
Sentrac Strix Edition, portable, battery operated model (Incl. Strix Hand Probe and 3 m C21 probe cable)	590-840
ACCESSORIES	
Strix Hand Probe	590-730
Strix Flex Hand Probe	590-740
Test Leaks	See separate data sheet
SPARE PARTS	
C21 Probe cables	
3 m (9.8 ft.)	590-161
6 m (19.6 ft.)	590-175
9 m (29.5 ft.)	590-165
Strix Sensor	590-290
Strix Probe Tip Protection Caps 50-pack	590-300
Strix Probe Tip Protection Caps 500-pack	590-305
Strix Probe Tip Filters 50-pack	590-310

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