

**FAST FACTS**

# Electronic Leak Detector

**Improve GC Performance; Save Your Column**



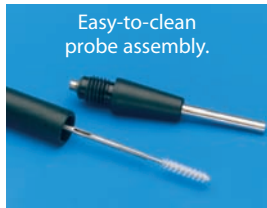
- Reliable thermal conductivity leak detector.
- Easy to hold and operate.
- Sensitive—detects helium at  $1.0 \times 10^{-5}$  cc/sec. or nitrogen at  $1.4 \times 10^{-3}$  cc/sec.
- Responds to leaks in less than 2 seconds.
- Audible alarm plus LED readout.
- Auto zeros with the touch of a button.
- Built-in rechargeable battery.

CE



**Turning Visions into Reality™**

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### Improve GC Performance; Save Your Column

Avoid poor chromatography caused by leaks—leak check your GC system with the Restek Electronic Leak Detector, the affordable, reliable tool for detecting leaks. Features include internal battery charge capability, a low-battery indicator, a battery charge indicator light, yellow lights to signal a nitrogen leak, a repositioned on/off switch, to eliminate accidentally powering on the unit, and a probe tip design that prevents debris from entering the unit. The leak detector's microchip technology enables high sensitivity in a compact unit, the autozero feature allows instantaneous zeroing with the touch of a button, and the ergonomic design puts all controls at your fingertips, for maximum ease of use.

Leaks can cause detector noise and baseline instability, waste carrier gas, and shorten column lifetimes, so leak checks should be a regular part of a GC maintenance program. The Restek Electronic Leak Detector responds in less than 2 seconds to leaks of gases with thermal conductivities different from air, indicating leaks with both an audible alarm and an LED readout. The leak detector detects minute gas leaks that can go undetected by liquid leak detectors—and, remember, you should never use liquid leak detectors on a capillary GC system, because liquids drawn into the system through the leaks will contaminate the system.

### How does the Restek Electronic Leak Detector work?

The Restek Electronic Leak Detector detects minute leaks of any gas with a thermal conductivity different from air. The reference gas inlet draws in ambient air for comparison to air drawn into the sample probe. A thermal conductivity difference between the two indicates a leak, and the leak is revealed to the user by both an LED bar graph and an audible tone. The leak detector operates on one rechargeable 9-volt Ni-MH battery (included).

### What gases can be detected with the Restek Electronic Leak Detector, and what is the sensitivity for each?

Gas	Minimum Detectable Leak Rate (atmcc/sec.)	Indicating LED Light Color
Helium	$1.0 \times 10^{-5}$	Red
Nitrogen	$1.4 \times 10^{-3}$	Yellow
Argon	$2.2 \times 10^{-3}$	Yellow
Carbon dioxide	$1.1 \times 10^{-3}$	Yellow

### Other Leak Detector Facts

Battery	Rechargeable Ni-MH, 9 volt
Operating Temperature Range	32°-120°F (0°-48°C)
Humidity Range	0-97%
CE Approved	Yes



### Restek Electronic Leak Detector

Description	qty.	cat.#
Leak Detector with 110Volt Battery Charger	ea.	22451
Leak Detector with 220Volt European Battery Charger	ea.	22451-EUR
Leak Detector with 220Volt UK Battery Charger	ea.	22451-UK

Caution: The Restek Electronic Leak Detector is NOT designed for determining leaks of combustible gases. A combustible gas detector should be used for determining combustible gas leaks under any condition. The Restek Electronic Leak Detector may be used for determining trace amounts of hydrogen in a GC environment only.

### Leak Detector Accessory Kit

The kit includes an adaptor fitting to detect leaks in hard-to-reach locations, and a mounting bracket that can be affixed to the wall or GC.



Verify hard-to-reach leaks with the adaptor fitting.



Leak Detector is easily accessed when stored in the mounting bracket.

Description	qty.	cat.#
Leak Detector Accessory Kit (adaptor fitting for probe, mounting bracket)	kit	22453



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