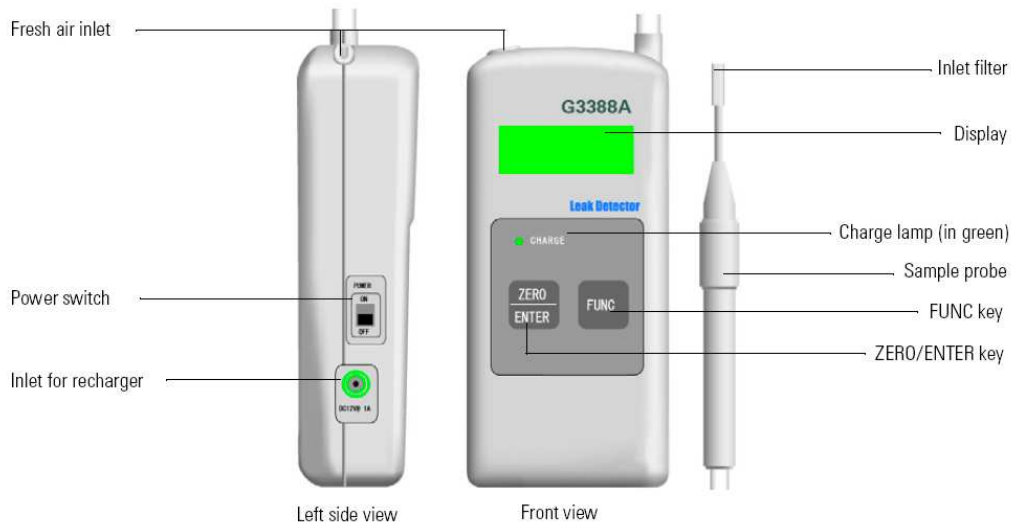


## Handheld Electronic Gas Leak Detector



Gas leaks can cause detector noise and baseline instability, shorten column life and waste expensive carrier gas. Liquid leak detectors, although inexpensive, can contaminate your system. G3388A electronic leak detector is an easy way to quickly identify leaks in your system.

Check your valves, fittings, and traps for leaks after every maintenance, and after thermal cycling as these can loosen some types of fittings.

- Provides both audible and visual alerts
- Fast! One second to Helium in air
- Rechargeable NiMH Battery
- 5 hour battery life
- Minimum detection limit of **0.01 mL/minute**
- Uses a thermistor actuated thermal conductivity cell to detect leaks of :  
**Nitrogen, Hydrogen, Helium, Neon, Xenon, Methane, Argon, Carbon Dioxide, Water Vapor, Propane and Krypton**



## Handheld Electronic Leak Detector for Gas Leaks

The HP Leak Detector enables scientists and technicians to quickly detect and measure a variety of gas leaks. With this versatile and reliable instrument, operators can locate most leaks, even those not detectable by the soap solution method. Using this electronic method also eliminates potential contamination produced by soap residues.

The principle of operation is based on differential thermal conductivity between ambient air and the suspected leaking gas. Operation is simple: first, zero the instrument with ambient air; then place the probe next to the selected leak point. A positive (or negative) signal, proportional to gas concentration, will indicate a leak.

### Quantitative Measurement

Calibration data for 12 specific gases has been built into the HP Leak Detector. The location of a leak and its size can be determined quickly and accurately. These 12 gases have been tested for sensitivity and are programmed into memory.

### Easy and Quick Operation

- Large LCD panel readout in cc/sec, cc/min, ft<sup>3</sup>/min or ppm.
- Response and recovery time of approximately one second.
- Built-in calibration data for 12 gases.
- A "peak hold" function that freezes the display at the maximum leak rate encountered.
- Autoranging that adjusts sensitivity to the size of the leak.
- 9-volt rechargeable NiCad battery

Minimum Detectable Leak Concentration					
Group	Gas	Pos/Neg	cc/sec	cc/min	ppm
1	Hydrogen	+	8.10E-06	4.9E-04	1.3E+02
	Helium	+	1.00E-05	6.0E-04	1.6E+02
2	Neon	+	5.80E-05	3.5E-03	9.3E+02
	Xenon	-	5.81E-05	3.5E-03	9.3E+02
3	R11	-	6.84E-05	4.1E-03	1.0E+03
	R12	-	7.90E-05	4.7E-03	1.3E+03
	R21	-	7.98E-05	4.8E-03	1.3E+03
	R22	-	9.46E-05	5.7E-03	1.5E+03
4	Methane	+	1.06E-04	6.4E-03	1.8E+03
	Argon	-	1.37E-04	8.2E-03	2.2E+03
	CO2	-	1.53E-04	9.2E-03	2.4E+03
	Water Vapor	-	1.75E-04	1.1E-02	2.8E+03

**Example: 1.00E-05 = 1 x 10<sup>-5</sup>**

