



## Customer Case Study

# Air Liquide upgrade to GasCheck G detectors

Latest GasCheck G handheld instruments replace 20-year old ION Science GasCheck B detectors for monitoring gas leaks after high-pressure cylinder changes

**Company:** Air Liquide Electronics

**Industry:** Semi-Conductor

**Application:** Manufacturing

**Requirements:** High-performance handheld instruments to check for gas leaks



## The Background

A world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 67,000 employees and serves more than 3.7 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Air Liquide Electronics is a well-established supplier of innovative solutions for the semi-conductor, photovoltaic and flat panel display markets, including computers, mobile phones, digital cameras, etc. As a world leader in the design, manufacture and delivery of molecules, Air Liquide Electronics contributes to the innovation of the world's most advanced companies in the electronic industry.

## Requirement

Air Liquide Electronics, has recently replaced two 20-year old Ion Science gas leak detectors with the company's latest GasCheck G instruments. Chosen for the robust, reliable and upgradeable design, the Dallas-based semiconductor manufacturer is using the high-performance handheld instruments to check for gas leaks after high pressure cylinder changes.

Air Liquide uses the ION Science GasCheck G gas leak detectors every time a cylinder is changed which is on a daily basis. The company's cylinder technicians use the readings on the GasCheck G's display to ensure there is no leak after connecting to the cylinder.

**Jana Wu,  
TGCM Gas Specialist at  
Air Liquide Electronics:**

*"Based on our experience with the old ION Science instruments, we decided to upgrade to the company's newer GasCheck G2 gas leak detectors which would give our cylinder technicians complete confidence in leak test results."*

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### Jana Wu, TGCM Gas Specialist at Air Liquide Electronics:

*"We had two 20-year old ION Science GasCheck B detectors that still worked okay but had started to suffer from the wear and tear you would expect after two decades. We did a benchmark against other old detectors around the factory and we were impressed to discover that the Ion Science units were the only ones still operational."*

*"We chose the GasCheck G2 model because it provided an actual reading instead of a bar graph type output plus it is upgradeable to the G3 model if required, One of our favourite features is the instrument's ability to provide cc/sec or ppm measurements. It can also be adjusted for sensitivity which is an advantage."*

*"I would rate the new GasCheck G highly, at least a nine out of ten. It is intuitive, easy to use and provides accurate results. I'm also impressed with the service provided by ION Science and its distributor, REPSS Inc."*

## The ION Science Solution

### Instrument: GasCheck G Gas Leak Detector

ION Science's GasCheck G gas leak detector represents the latest in handheld gas detection technology. Its advanced system of micro thermal conductivity enables advanced sensitivity for the rapid, effective detection of gas leaks down to cc/sec, mg/m<sup>3</sup> or parts per million (ppm) levels.

Designed for the search and location of gas leaks, the GasCheck G leak detector provides effective detection of almost any gas or mix of gases. Robust and reliable, the GasCheck G leak detector gives stable, repeatable readings. The instrument's LCD display, LED indicator, and audible sounder clearly indicate when a gas leak is present.

GasCheck G automatically zeros to the ambient air around it when switched on and is ready to detect immediately. The instrument's easy to use graphical interface and intuitive keypad allows for simple function, selection, and adjustment.

Upgradeable throughout the range, the GasCheck G gas leak detector is available in three distinct versions; G1, G2 and G3 with varied capabilities. Features can be easily added by upgrading the instrument without it having to be returned to the factory.

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