

# Application Article 220

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## GasCheck G Detects Helium Leaks at Energy and Mining Sites

**Industries:** Energy and Mining

**Application:** On-Site Servicing / Leak Detection

**Location:** Australia

### Introduction

JAVAC Pty Ltd, Australia, has recently sold a number of GasCheck G instruments to a Power Station, Electrical and Leak Detection Company.

JAVAC are specialists in the vacuum and refrigeration process industry, supplying leak detectors to the automotive, industrial, laboratory and refrigeration sectors.

### Application

GasCheck G1 and G3 instruments were selected to detect helium leaks for on-site service technicians working at energy companies and mining sites.

Within this application, the customer required an on-site portable leak detector to be readily available in service vehicles, enabling technicians to detect leaks immediately.

### Helium Detection

Helium is colourless, odourless, tasteless and non-toxic, ideal for use as a tracer gas. Helium defuses through solids at 3 times the rate of air and penetrates through the smallest of gaps, making it easily detectable.

### Why GasCheck G Was Chosen

The handheld, portable GasCheck G allowed the technicians to have the instrument on-hand to detect gas leaks without having to return back to base, saving both time and money.

GasCheck G was chosen over competitive products due to its accuracy and sensitivity. Its advanced sensor technology and durability were key factors during the selection process.

### GasCheck G

Designed for the search and location of gas leaks, GasCheck G has an advanced micro thermal conductivity sensor for fast, effective detection of leaks down to cc/sec, g/yr, mg/m<sup>3</sup> or ppm levels.

Robust and reliable, GasCheck G provides stable, repeatable readings of the detected gas. The instrument's LCD display, LED indicator and audible sounder clearly indicate the leak present. GasCheck G automatically zeros to the ambient air around it when switched on and is ready to detect immediately.

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