



Product Portfolio

Advanced Gas Sensing Technologies



Ion Science is an international manufacturer of technologically advanced gas detectors, leak detectors and corrosion monitors for a wide range of industries and applications. The portfolio of handheld, fixed and portable instruments includes photoionisation detectors (PID) for volatile organic compounds (VOCs), gas leak detectors for the measurement of any gas or gas mixture, detectors for SF₆ gas and active corrosion monitors for hydrogen flux measurement. In addition to first class products, Ion Science provide a superior service support offering and extensive range of accessories.

PhoCheck+ PID Gas Detector

PhoCheck+ is the most advanced handheld PID for rapid, accurate VOC detection. Highly sensitive and humidity resistant, PhoCheck+ is the only handheld instrument of its kind capable of detecting VOCs from 1 ppb to 10,000 ppm. A fully upgradeable, flexible instrument PhoCheck+ is ideal for use within a number of applications including petrochemical, soil contamination and arson investigation.



FirstCheck+ PID Multigas Detector

FirstCheck+ is the first upgradeable multigas PID to combine VOC and toxic gas detection with traditional multigas sensors for oxygen, hydrogen sulphide, carbon monoxide and explosive gases. Humidity resistant and highly sensitive, FirstCheck+ is capable of detecting gases undetected by other multigas instruments and provides a must-have tool for First Response, Confined Space Entry and HazMat applications.



GasCheck - Gas Leak Detection

GasCheck provides rapid, stable readings of any gas different to air and is particularly sensitive to ammonia, argon, butane, hydrogen, SF₆ and refrigerant gases. Its advanced micro thermal conductivity sensor quickly detects leaks down to ppm levels. Robust and reliable, GasCheck enables the operator to locate and take a direct leak rate measurement in a simple one-handed operation. GasCheck offers both intrinsically safe and upgradeable versions.



GasCheck R2pc - Refrigerant Gas Leak Detection

Designed to detect and measure air conditioning and refrigerant gases including CFC's, HFC's and HCFC's, GasCheck R2pc utilises a unique sensing system optimised for refrigerant gas leak detection. The inbuilt pump and flow management system enables the instrument's high sensitivity and rapid response to detect leaks - 0.2 gm/yr.



TVOC - Fixed PID Detection

TVOC is the first fixed ATEX approved PID for the continuous detection and measurement of total volatile organic compounds. With an intelligent 4-20 mA analogue output, TVOC can be simply integrated into a DCS control system to give warning or control of high VOC levels in the working environment. Designed for simple installation, service and calibration, TVOC is ideal for use in manufacturing and process industries where VOCs are typically present.



SF₆ GasCheck P1 / SF₆ LeakCheck P1:p - Portable SF₆ Leak Detection

The SF₆ GasCheck P1 and LeakCheck P1:p are a revolution in SF₆ leak detection ensuring rapid results at highly sensitive levels. Even the smallest leaks can be detected and located swiftly with a minimum detection level of 1×10^{-7} ml/sec or optional 1×10^{-8} ml/sec - equivalent to a grain of rice per year!



SF₆ AreaCheck P2 - Fixed SF₆ Leak Detection

The SF₆ AreaCheck P2 provides the ultimate in fast, accurate measurement with revolutionary, award winning Negative Ion Capture (NIC) technology for high-level sensitivity. Primarily designed for use in transformer houses, substations and indoor gas insulated switchgear (GIS) measurement, the AreaCheck P2 provides immediate detection of harmful SF₆ gas leakages, protecting both workers and the environment.



Hydrosteel 6000 - Portable Corrosion Measurement

Hydrosteel 6000 is an intrinsically safe, non-intrusive portable monitor for sour, HF and high temperature corrosion and diffusible hydrogen damage in steel. Measurements can be taken from small pipes and large vessels, at any orientation and at any temperature up to 500°C (932°F) with a single probe. Reliable, accurate readings are given in 60 seconds with minimal test surface preparation, and without the requirement for consumables (such as grease).



Hydrosteel 7000 - Fixed Continuous Corrosion Measurement

Hydrosteel 7000 is a fixed monitor for the continuous measurement of active corrosion at high criticality sites within petrochemical and refining operations. The instrument can be permanently applied to steel pipes and vessels up to 500°C without human intervention for up to one year. Readings can either be integrated into a control based system via the 4-20 mA outputs, or data can be internally stored and retrieved on a regular basis via the RS-232 connector.



For more information visit:
www.javac.com.au

Accessories

To compliment the extensive range of products, Ion Science has developed an exclusive range of accessories. Contact Ion Science for more information.



Service & Support

Ion Science's international network of Approved Service Centres provide a full calibration, maintenance and repair service for Ion Science instruments. Qualified engineers are on hand to provide the highest level of Service Support to an expanding base of Distributors and Customers worldwide.

Service Contracts

The following Service Contracts are available for cost-effective maintenance through the life of each instrument.

Gold Service:

- Fixed cost - fix the total instrument operating cost over a fixed period of time
- Annual calibration after 12 months
- Includes any repair costs and required spare parts
- Fast 3 day turnaround - calibration and repair will be carried out within this timeframe, if not a replacement instrument will be sent out of equal or greater specification
- Instrument upgraded with latest software version upon return
- Flexibility - can be purchased annually, or over a 5 year service contract
- Accessory discounts and promotions available

Platinum Service:

- Fixed cost - fix the total instrument operating cost over a fixed period of time
- Annual instrument replacement - two weeks before an instrument is due for annual re-calibration Ion Science will ship a new one
- Any instrument failure within the period of the contract will result in a replacement being sent out on the same day (before 12pm GMT, after 12pm next day)
- Costs include annual re-calibration and spare parts

For more information visit:
www.javac.com.au



JAVAC Pty. Ltd.
54 Rushdale Street
Knoxfield, VIC 3180
Australia
Ph: +61 3 9763 7633
F: +61 3 9763 2756

