

Honeywell Analytics Lines of Business



Commercial

Vulcain-brand gas detection from stand-alone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

- » Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

- » Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial



Portables

Single or multi-gas Lumidor and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

- » Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets



High Tech/Government

A complete portfolio of gas and chemical detection instrumentation including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion

- » Applications: semiconductor manufacturing and nanotechnology, aerospace propulsion and safety, specialty chemicals industry, research laboratories, emergency response

Europe, Middle East, Africa

Life Safety Distribution AG
Wilstrasse 11-U31
CH-8610 Uster
Switzerland
Tel: +41 (0)44 943 4300
Fax: +41 (0)44 943 4398
gasdetection@honeywell.com

Technical Services

24/7 global network includes post-sales service and Systems Integration teams

- » Emergency call out, service contracts, on/off-site repair, training and commissioning
- » Complete range of spares, consumables and accessories

Asia Pacific

Honeywell Analytics Asia Pacific
#508, Kolon Science Valley (I)
187-10 Guro-Dong, Guro-Gu
Seoul, 152-050
Korea
Tel: +82 (0)2 2025 0307
Fax: +82 (0)2 2025 0329
analytics.ap@honeywell.com

Find out more

www.honeywellanalytics.com

Contact Honeywell Analytics:

Americas

Honeywell Analytics Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA
Tel: +1 847 955 8200
Toll free: +1 800 538 0363
Fax: +1 847 955 8210
detectgas@honeywell.com

Technical Services

ha.us.service@honeywell.com

www.honeywell.com

Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

H_Searchline Excel_IR_DS0282_V4 5/09
© 2009 Honeywell Analytics

Sieger Searchline Excel

Honeywell



Ensure your plant's safety by using the industry's most advanced and trusted Open-Path Infrared gas detector

Honeywell

HWA6042

Searchline Excel



Special Features



Excellent-Performing Technology

- Fast speed of response provides earliest warning of gas release
- High sensitivity allows low alarm set points
- Alignment free design makes installation simple
- Duct flex and vibration tolerance keeps the system online
- Integral functional gas test facility allows for simple system check
- Contamination resistant optics reduce the need for unscheduled maintenance
- Not affected by interference from water vapor
- Immune to catalytic poisons
- Works in inert atmospheres

Why open path gas detection?

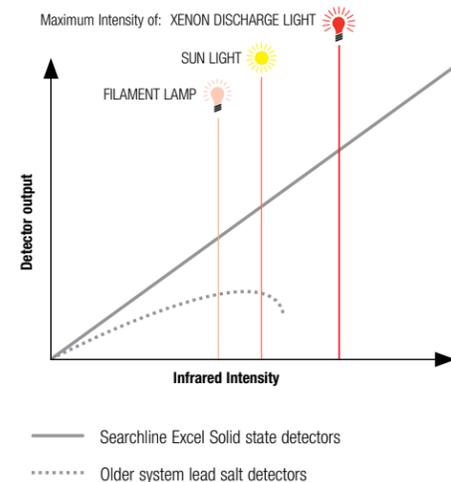
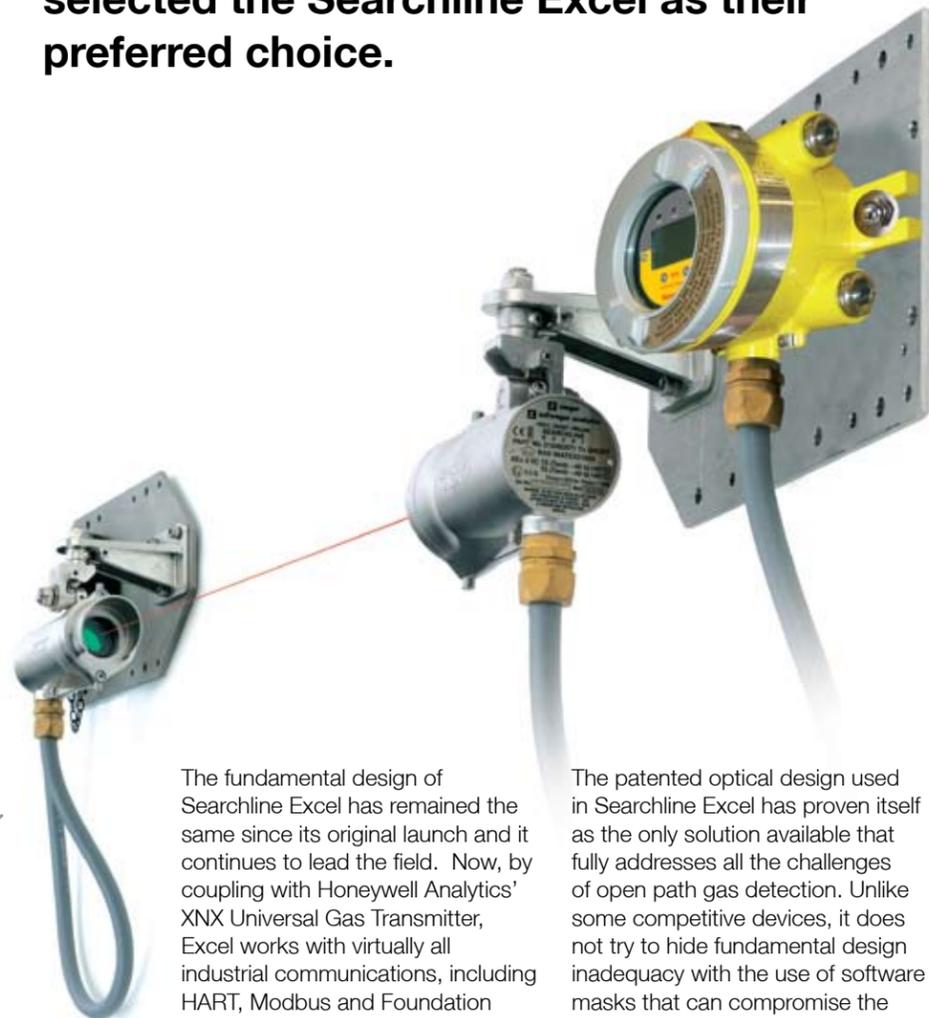
Open path detectors complement the use of individual point detectors and offer many significant benefits including:

- Wider area coverage — most likely to pick up any leak
- Very high speed of response
- No unrevealed failure modes — no possibility of blocked gas path to detector
- Detector location not as critical
- Indicates size of hazard

Full Range of Accessories

- Deluge shield / sunshade
- True alignment system
- Gassing cell
- Hand-held interrogator
- Optical gas test filters
- SHC protection device

The Searchline Excel is the world's best selling infrared open path gas detector with over 6,000 units installed in challenging applications throughout industry. From the Arctic Circle to the Gulf of Mexico, customers have repeatedly selected the Searchline Excel as their preferred choice.



The fundamental design of Searchline Excel has remained the same since its original launch and it continues to lead the field. Now, by coupling with Honeywell Analytics' XNX Universal Gas Transmitter, Excel works with virtually all industrial communications, including HART, Modbus and Foundation Fieldbus (pending).

Searchline Excel is totally immune to interference from sunlight or any other sources of radiation such as flare stacks, arc welding or lightning.

The patented optical design used in Searchline Excel has proven itself as the only solution available that fully addresses all the challenges of open path gas detection. Unlike some competitive devices, it does not try to hide fundamental design inadequacy with the use of software masks that can compromise the unit's ability to detect gas.

Searchline Excel employs a patented double band pass filter that fully compensates for all types of fog and / or rain, thereby allowing it to continue to operate accurately and reliably in all climatic conditions.

Sample and reference detector alignment

- Reduced sensitivity to alignment
- Guaranteed performance
- Reduced sensitivity to partial obscuration

Improved hand-held software

- Simple confirmation of alignment
- Visual indication of target and current signal levels
- Compatible with existing systems

Improved telescope

- High Power Rifle Telescope
- Easier to align with greater zoom and magnification
- Robust shock resistant design

True Alignment System

A good installation is key to obtaining the best performance from an open path gas detection system. Optimum alignment of the transmitter and receiver will ensure the best performance of the system in the harshest climatic conditions.

A visual check of the path using a telescope is required to ensure that there are no physical obstructions in the beam. With the new True Alignment System used on Searchline Excel this alignment is so accurate that the requirement for further adjustment using a software based alignment tool is eliminated.



XNX Universal Communications Platform

The XNX's powerful advanced communications module adds increased functionality and flexibility to Searchline Excel. Standard HART communications, along with optional Modbus, Foundation Fieldbus (pending) or relays, interface with a PLC and a host of other protocol compatible devices found in industrial applications.

Back-lit, easy-to-read LCD display with icons includes a broad range of language options including English, Spanish, French, Italian, Portuguese, German, Russian and Chinese to meet global requirements.

