Honeywell

INDUSTRIAL FIXED

Searchline Excel Open Path Infrared Gas Detector

Searchline Excel Open Path Infrared Gas Detector

Overview

World-renowned infrared open path flammable gas detector offering unrivalled performance and sensitivity.

Product Overview:

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 Middle Eastern Deserts, 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.

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.

Additional Features and Benefits:

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

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

Features & Benefits:

- Fast speed of response provides earliest warning
- 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

Quick Specs:

- Response speed: T90 less than 3 seconds (under normal operating conditions)
- Range: 0 to 5 LEL m.
- Operating temperature: -40° to +65°C (-40° to 150°F)

Fire and Gas Consultancy Services

Even the best products deserve expert maintenance!

Elevate your gas detectors' potential with Honeywell's expert maintenance services! Maximize uptime, eliminate costs, and ensure on-time, on-budget project completion.

[Explore our fixed, portable, and high-tech support services now!](#)

Specifications

FEATURES & BENEFITS

Features

- Fast speed of response provides earliest warning
- High sensitivity allows low alarm set points
- Works in inert atmospheres

Feedback

Product Number

02104-N-4006	Short range alignment and conformity kit including handheld interrogator, telescope, carry case and test filters for ATEX approved systems
02104-N-4006X	Short Range Excel & XNX alignment and conformity kit including telescope, carry case and test filters (no SHC1)
02104-N-4007	Long range alignment and conformity kit including handheld interrogator, telescope, carry case and test filters for ATEX approved systems
02104-N-4007X	Long/Medium Range Excel & XNX alignment and conformity kit including telescope, carry case and test filters (no SHC1)
02104-N-4014	Excel line-of-sight gas detection system, short range (5 to 40m), 4 to 20mA (source) and Modbus outputs, ATEX/IECEx, fully wired with flexible conduit, electro polished 316SS.
02104-N-4024	S/LINE EXCEL KT M/R SRC ATEX - WITH JB
02104-N-4034	Excel line-of-sight gas detection system, long range (120 to 200m), 4 to 20mA (source) and Modbus outputs, ATEX/IECEx, fully wired with flexible conduit, electro polished 316SS.
02104-N-4044	Excel line-of-sight gas detection system, short range (5 to 40m), 4 to 20mA (sink) and Modbus outputs, ATEX/IECEx, fully wired with flexible conduit, electro polished 316SS.
02104-N-4054	Excel line-of-sight gas detection system, medium range (40 to 120m), 4 to 20mA (sink) and Modbus outputs, ATEX/IECEx, fully wired with flexible conduit, electro polished 316SS.
02104-N-4064	Excel line-of-sight gas detection system, long range (120 to 200m), 4 to 20mA (sink) and Modbus outputs, ATEX/IECEx, fully wired with flexible conduit, electro polished 316SS.

Feedback

Alternative Products

Searchpoint Optima Plus Point Infrared Gas Detector

Searchpoint Optima Plus Point Infrared Gas Detector

Searchline Excel Cross Duct Infrared Gas Detector

Searchline Excel Cross-Duct