



INDUSTRIAL FIXED

# Searchline Excel™ Plus

Open Path Infrared Gas Detector – Short & Medium Range

## Overview



Feedback

**The Searchline Excel™ Plus Flammable Hydrocarbon gas detector delivers unsurpassed uptime with robust detection in some of the harshest conditions.**

**MAXIMIZE SAFETY COVERAGE EVEN IN MINIMAL VISIBILITY**

**Ensure optimal fire and gas safety by deploying cutting-edge optical gas detection that can see through even thick fog better than any other open path gas detectors whether NDIR or laser based.**

**The Searchline Excel™ Plus is a short and medium-range gas detector designed for global oil and gas applications, upstream and downstream, onshore and offshore that protects your people, your facilities and your systems from combustible gas leaks.**

**Features & Benefits:**

**Reliable Detection:**

- Fast response to flammable hydrocarbon gas even in low visibility
- Advanced diagnostics including window clarity and alignment accuracy to enable maximum uptime

**Easy to Use:**

- Honeywell’s Fixed Platform Universal Mount and new alignment scope makes for easy installation
- Bluetooth® connectivity for simplified, non-intrusive set-up and maintenance.

**At a Glance Instrument Status:**

- High Visibility, Multi Color LED HALO ring provides clear indication of device status

**Quick Specs:**

- Detection from 2 to 120 meters (6 to 393 feet)
- Multiple outputs including 4-20mA, Relays, HART®, Modbus and Bluetooth® communication
- Responses to a wide range of hydrocarbon gases such as Methane, Ethane, Propane, Butane, Pentane, Hexane, Ethylene, and Propylene
- Speed of response (T90) less than 3 seconds

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

## BRAND

**Brand**

- Honeywell

## DIMENSIONS

**Weight**

- Receiver 6.1 kg (13.4 lbs), Transmitter 6.0 kg (13.2 lbs)

## CATEGORY

**Sub-Category**

- Open Path Gas Detectors & Transmitters

## RANGE

**Humidity Range**

- 0–99 % RH Non-condensing

**Sensor Range**

- 2 m to 120 m (6 to 393 ft)

## ALARM

**Alarm Settings**

- Recommended High Alarm - 3 LEL.m
- Recommended Low Alarm - 1 LEL.m

## ANALOG

**Analog Output Signal Type**

- 4-20mA standard

## CERTIFICATIONS

**Standards**

- EN 50270: (EMC)

Feedback

# FEATURES & BENEFITS

## Features

- Bluetooth® enabled

# MATERIAL

## Material

- 316L Stainless Steel

# RELAY

## Relay Output Configuration

- Relay 1 is Alarm Level 1, Relay 2 is Alarm Level 2, Relay 3 Indicates Faults

## Relay Activation Settings

- Single Pole Double Throw (SPDT)

## Relay Rated Load

- Max. 32 Vdc/ac, max. 2 A resistive load

# SENSOR

## Sensing Method

- Near Band Infrared

## Sensor Type

- Open Path Infrared

# WIRELESS

## Wireless Technology

- Bluetooth® (range up to 20 m (66 ft))

Feedback

## ADDITIONAL SPECIFICATIONS

**Number of Relay Outputs**

- 3

**Ingress Protection**

- IP 66 / 67

**Visual Indicators**

- LEDs on the transmitter and a high visibility HALO light ring on the receiver

**Maximum Pressure**

- 105.5 kPa (1055 mBar, non-compensated) kilopascal

**NEMA Rating**

- Type 4X, in accordance with NEMA 250

**Mounting**

- Universal Mounting Bracket Included

**Gas Type**

- Flammable Hydrocarbon

## OTHERS

**Minimum Temperature**

- -55 °C (-67 °F)

**Maximum Temperature**

- +75 °C (+167 °F)

**Response Time**

- T90 less than 3 seconds

## Product Number

SLXL-PSMGRX

SEARCHLINE EXCEL PLUS RX SS M25 - Includes Mount and Sunshade

SLXL-PSMGTX

SEARCHLINE EXCEL PLUS TX SS M25 - Includes Mount and Sunshade

SLXL-PSMGXX

Searchline Excel Plus Mid Range (2-120 m) Stainless Steel w/ M25 entries

SLXL-PSNGRX

SEARCHLINE EXCEL PLUS RX SS 3/4" NPT - Includes Mount and Sunshade

SLXL-PSNGTX

SEARCHLINE EXCEL PLUS TX SS 3/4" NPT - Includes Mount and Sunshade

Feedback

Alternative Products



[Searchzone Sonik™](#)  
[Searchzone Sonik™](#)



[Searchpoint Optima Plus Point Infrared Gas Detector](#)  
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