



**The Sensepoint range of flammable, toxic and Oxygen gas detectors offer users a low cost solution to their gas monitoring needs.**



## One-Stop Shop

- Flammable, toxic and Oxygen versions available
- Suitable for indoor or outdoor use
- IP65 as standard

## Proven Sensor Technology

- Surecell™ electrochemical sensors
- Poison resistant catalytic bead
- Fast and reliable
- Typical 2 to 5 years operational life

## ATEX Certified

- Complies with the latest European standards
- Hazardous area approval AND performance
- Can be used for uncertified applications

## Easy to Use

- Factory set operation
- Simple to replace
- Minimal training required

## Friendly Installation

- Universal junction box
- One box, three entries
- Metric and NPT compatibility
- Includes earth continuity plate for added RFI protection

## Range of Accessories

- Weather Housing (IP66)
- Flow adaptor
- Duct mounting kit
- Collecting cone

**The Sensepoint range of flammable, toxic and Oxygen gas detectors offer users a low cost solution to their gas monitoring needs, in or out of doors and even in potentially explosive atmospheres. Supplied with a pre-wired junction box, a detector can be installed using conduit or armored cable and glands depending on individual site standards.**

Sensepoint flammable and toxic gas detectors are designed for use in potentially explosive atmospheres and allow for hands free, unhindered access, to terminals via the hinged lid of the junction box. Installation should follow national guidelines using suitably approved armored cable and glands or conduit.

Supplied with earth continuity plate for improved immunity to RFI the junction box offers the installer a choice of 1/2", 3/4" and M20 connection via conduit or armored cable and Exe certified cable glands. Terminals are suitable for use with screened 0.5mm<sup>2</sup> (20AWG) to 2.5mm<sup>2</sup> (14AWG) cross sectional area cable, as needed to ensure minimum operating voltage at the detector, depending upon installed cable length.

Sensepoint flammable, toxic and Oxygen gas detectors are designed for direct connection with the Honeywell Analytics' range of Touchpoint controllers.

Contact Honeywell Analytics for details.



# Installation Details

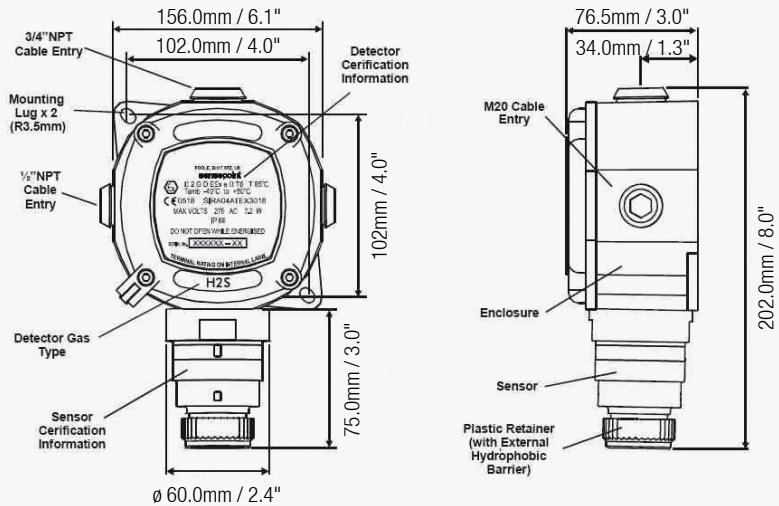


## Dimensions

Sensepoint flammable and toxic gas detectors allow for hands free, unhindered access, to terminals via the hinged lid of the junction box.

Supplied with earth continuity plate for improved immunity to RFI, the junction box offers the installer a choice of 1/2"NPT, 3/4"NPT and M20 connection via conduit or steel wire armored cable and Exe certified cable glands.

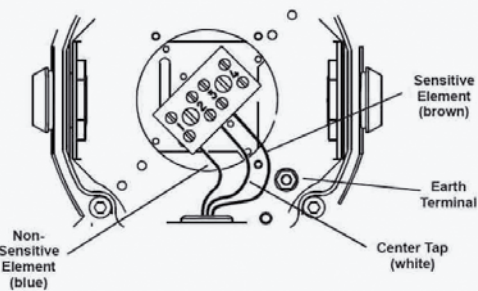
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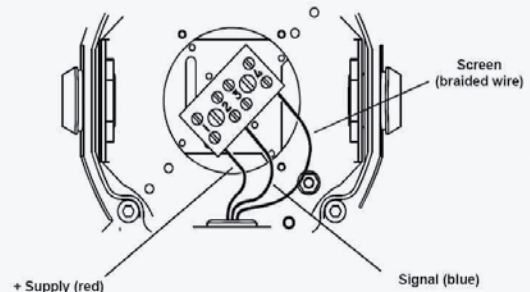
## Flammable Version

## Toxic & Oxygen Version

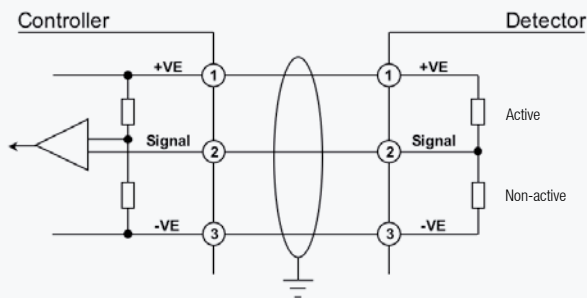
### Terminal Arrangement



### Terminal Arrangement

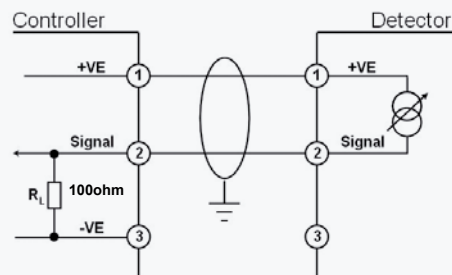


### Electrical Connections



3 Wire mV Bridge Circuit

### Electrical Connections



2 Wire 4-20mA (Sink)

# Technical Summary



## General Specification

Use Low cost, fixed point gas detector for the protection of personnel and plant from flammable, toxic and Oxygen gas hazards

## Detectable Gases

Ident	Name	Measuring Range			Operating Temperature*	
		1#	2	3	Min	Max
F	Flammable	0-100% LEL			-40°C / -40°F	50°C / 122°F
O	Oxygen	0-25% VOL			-15°C / 5°F	40°C / 104°F
C	Carbon Monoxide <sup>+</sup>	0-200ppm	0-500ppm		-20°C / -4°F	50°C / 122°F
H	Hydrogen Sulphide <sup>+</sup>	0-50ppm	0-20ppm	0-100ppm	-25°C / -13°F	50°C / 122°F
G	Hydrogen	0-1000ppm			-5°C / 23°F	40°C / 104°F
L	Chlorine	0-5ppm	0-15ppm		-20°C / -4°F	50°C / 122°F
S	Sulphur Dioxide	0-15ppm	0-50ppm		-15°C / 5°F	40°C / 104°F
N	Nitrogen Dioxide	0-10ppm			-15°C / 5°F	40°C / 104°F
A	Ammonia	0-50ppm	0-1000ppm		-20°C / -4°F	40°C / 104°F

+ SureCell™ Sensing Technology

\*Standard range

\*Check certified temperature

## Construction

<b>Electrical</b>	<b>Flammable (0-100%LEL)</b> 3 wire mV bridge 2.9-3.5V, 0.7W 200mA constant current	<b>Toxic &amp; Oxygen</b> 2 wire loop powered 4-20mA (plus screen) 16-30Vdc, 0.9W	<b>Junction Box</b> Earth continuity plate BK4 terminal block (4 way) 4 x 0.5mm <sup>2</sup> (20AWG) to 2.5mm <sup>2</sup> (14AWG) 1 x M20, 1 x 3/4" NPT, 1x1/2" NPT
<b>Material</b>	Polyphenylene Sulphide (PPS)	Polyphenylene Sulphide (PPS)	Fire retardant GFP
<b>Weight</b>	190g	185g (205g oxygen)	600g
<b>Certification</b>	Ex II 2 G D EExd IIC T6 T85 Deg C T <sub>amb</sub> = -55°C to +55°C BAS98ATEX2156X SIRA03ATEX1116X (Performance)	Ex II 2 G D EExd ia IIC T4 T135 Deg C T <sub>amb</sub> = -55°C to +65°C BAS98ATEX2157X	Ex II 2 G D EExe II T6 T85 Deg C T <sub>amb</sub> = -40°C to +50°C SIRA04ATEX3018

**Applicable Standards** This product complies with the relevant CE standards including:  
EMC to EN50270, Flammable to EN50054, Toxic to EN445544 (H<sub>2</sub>S only)

## Environmental

<b>IP Rating</b>	IP65 standard, IP66 with weather protection in accordance with EN60529:1992
<b>Operating Temperature</b>	Dependent upon gas type and certification
<b>Operating Humidity Range</b>	Continuous: 20-90%RH (non condensing), Intermittent: 10-99%RH (non condensing)
<b>Operating Pressure</b>	90-110kPa
<b>Storage Conditions</b>	Instrument -40°C to +50°C (-40°F to +122°F)

\*Oxygen detection products must only be used to detect Oxygen depletion in air



# Ordering Information



## Ordering Information

e.g. SPSTAX **H** **1** = SPSTXX**H1**

GAS TYPE	RANGE
<b>F</b> Flammable	<b>1</b> } Refer to
<b>O</b> Oxygen	<b>2</b> } Detectable Gases
<b>C</b> Carbon Monoxide	<b>3</b> } Table Above
<b>H</b> Hydrogen Sulphide	
<b>G</b> Hydrogen	
<b>L</b> Chlorine	
<b>S</b> Sulphur Dioxide	
<b>N</b> Nitrogen Dioxide	

### Standard Supply

Each detector is supplied complete with junction box, multiple cable entries, earth continuity plate, hinged lid and instruction leaflet, all sealed in a plastic bag inside a shipping carton

### Shipping Details

Shipping carton dimensions: L160mm (6.3") x W215mm (8.5") x 80mm (3.1")  
Approximate weight: 800g

### Optional Accessories

02000-A-1645	Calibration gas flow housing (for flammable & toxic)
00780-A-0160	Right angle mounting bracket for ceiling mounting
02000-A-1640	Weather Housing for use with flammable detector including remote gassing nozzle
02000-A-1635	Weather Housing for use with toxic/Oxygen detector including remote gassing nozzle
02000-A-1642	Collecting cone for use with flammable detector

### Calibration Equipment

Contact Honeywell Analytics Representative



# Our Product Range



## Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

## Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

## Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

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