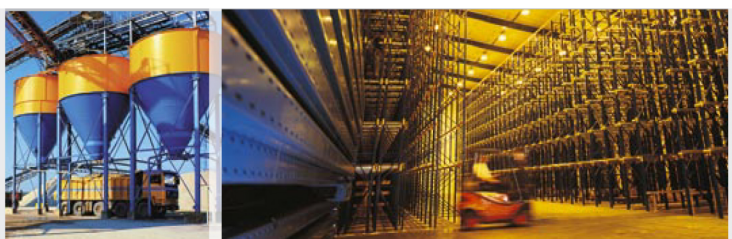




**The Sensepoint range of flammable, toxic and oxygen gas detectors offer users a low cost solution to their gas monitoring needs.**





## 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 Zareba range of Touchpoint controllers.

Contact Honeywell Analytics for details.



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# Installation Details

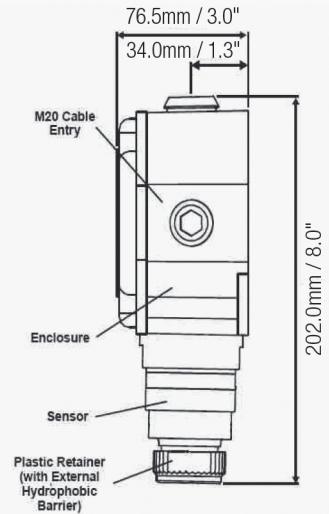
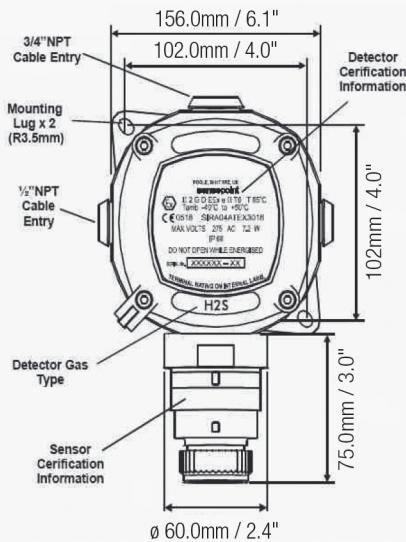


## Dimensions

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

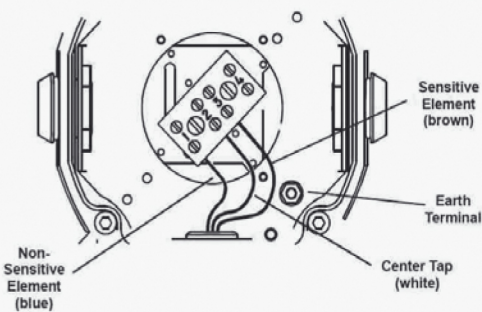
Supplied with earth continuity plate for improved immunity to RFI the junction box offers the installer a choice of 1/2"NPT, 3/4"NPT and M20 connection via conduit or steel wire armored cable and Exe certified cable glands.

Sensepoint flammable, toxic and oxygen gas detectors are designed for direct connection with the Zareba range of Touchpoint controllers. Contact Honeywell Analytics for details.

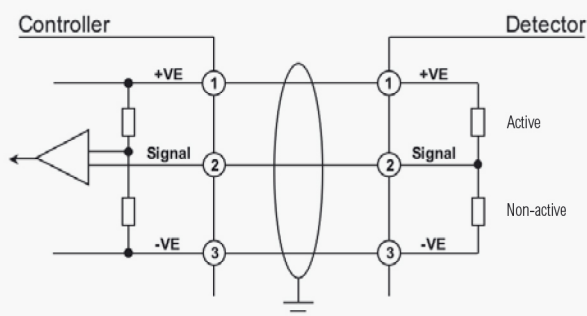


## Flammable Version

### Terminal Arrangement



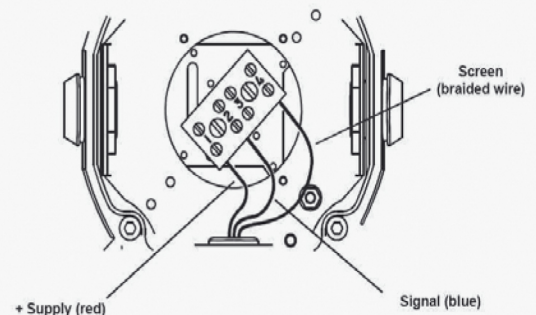
### Electrical Connections



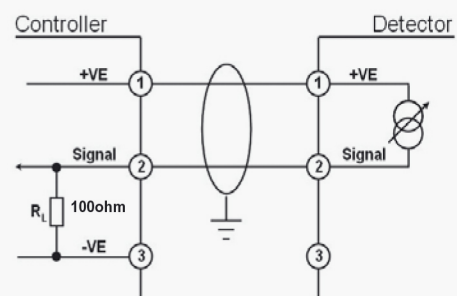
3 Wire mV Bridge Circuit

## Toxic & Oxygen Version

### Terminal Arrangement



### Electrical Connections



2 Wire 4-20mA (Sink)

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# 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

Gas		Measuring Range			Operating Temperature*	
Ident	Name	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*	0-200ppm	0-500ppm		-20°C / -4°F	50°C / 122°F
H	Hydrogen Sulfide*	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	Sulfur 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 Sulfide (PPS)	Polyphenylene Sulfide (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
<b>Applicable Standards</b>	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.

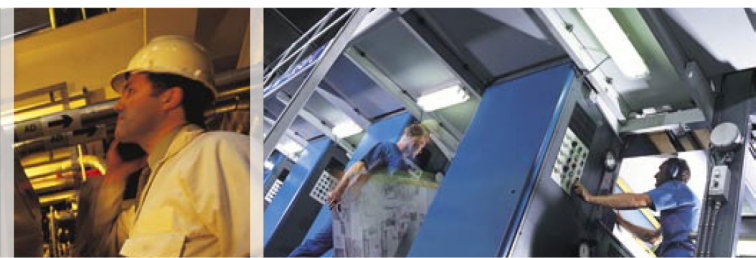


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# Ordering Information



## 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 Sulfide	
<b>G</b> Hydrogen	
<b>L</b> Chlorine	
<b>S</b> Sulfur 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 00780-A-0160 02000-A-1640  02000-A-1635  02000-A-1642	Calibration gas flow housing (for flammable & toxic) Right angle mounting bracket for ceiling mounting Weather Housing for use with flammable detector including remote gassing nozzle Weather Housing for use with toxic/oxygen detector including remote gassing nozzle Collecting cone for use with flammable detector
Calibration Equipment	Contact Honeywell Analytics Representative	

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