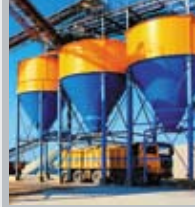




The Sensepoint range of flammable, toxic and oxygen gas detectors offer users a low cost solution to their gas monitoring needs.

Sensepoint



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 0.5mm² (20AWG) to 2.5mm² (14AWG) cross sectional area cable, as needed to ensure minimum operating voltage at the detector, depending upon installed cable length.

Contact Honeywell Analytics for details.



Installation Details

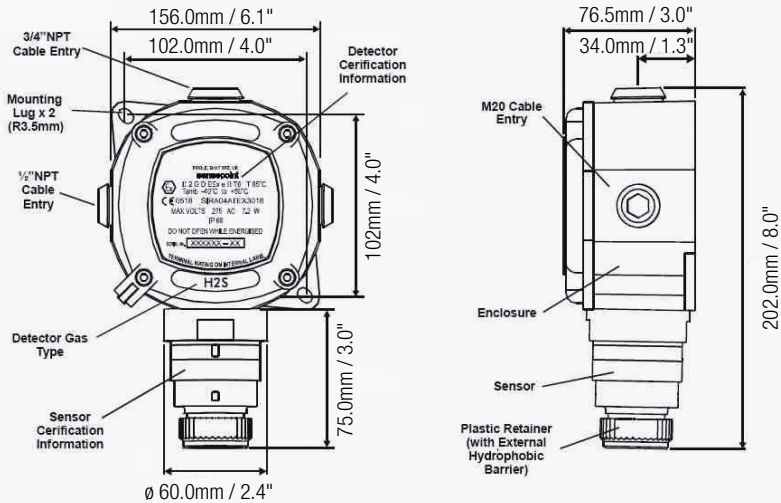


Dimensions

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.

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

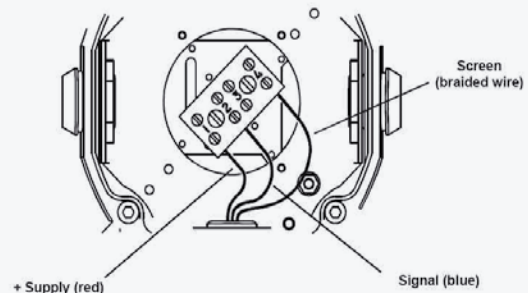
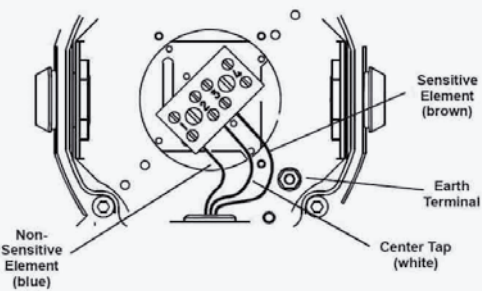


Flammable Version

Toxic & Oxygen Version

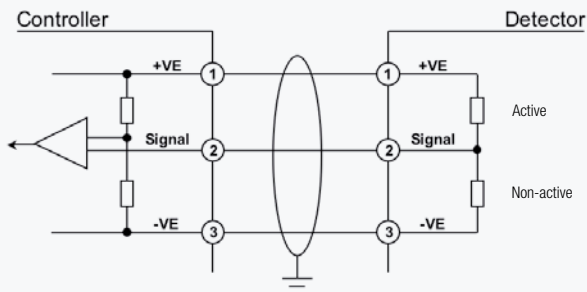
Terminal Arrangement

Terminal Arrangement

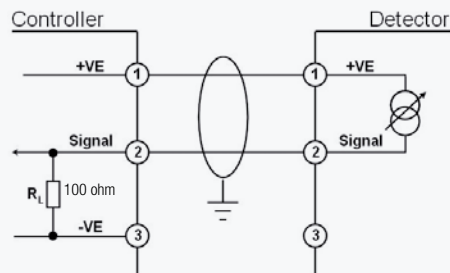


Electrical Connections

Electrical Connections



3 Wire mV Bridge Circuit



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

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

Electrical	Flammable (0-100%LEL) 3 wire mV bridge 2.9-3.5V, 0.7W 200mA constant current	Toxic & Oxygen 2 wire loop powered 4-20mA (plus screen) 16-30Vdc, 0.9W	Junction Box Earth continuity plate BK4 terminal block (4 way) 4 x 0.5mm ² (20AWG) to 2.5mm ² (14AWG) 1 x M20, 1 x 3/4" NPT, 1x1/2" NPT
Material	Polyphenylene Sulfide (PPS)	Polyphenylene Sulfide (PPS)	Fire retardant GFP
Weight	190g	185g (205g oxygen)	600g
Certification	Ex II 2 G D EExd IIC T6 T85 Deg C T _{amb} = -55°C to +55°C BAS98ATEX2156X SIRA03ATEX1116X (Performance)	Ex II 2 G D EExd ia IIC T4 T135 Deg C T _{amb} = -55°C to +65°C BAS98ATEX2157X	Ex II 2 G D EExe II T6 T85 Deg C T _{amb} = -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 (H₂S only)

Environmental

IP Rating	IP65 standard, IP66 with weather protection in accordance with EN60529:1992
Operating Temperature	Dependent upon gas type and certification
Operating Humidity Range	Continuous: 20-90%RH (non condensing), Intermittent: 10-99%RH (non condensing)
Operating Pressure	90-110kPa
Storage Conditions	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
F Flammable	1 } Refer to
O Oxygen	2 } Detectable Gases
C Carbon Monoxide	3 } Table Above
H Hydrogen Sulfide	
G Hydrogen	
L Chlorine	
S Sulfur Dioxide	
N 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



Honeywell Analytics Lines of Business



Commercial

Gas detection from standalone 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

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



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